The Spiral In Nature

Part 2 - Vortex Math, The ‘Nexus Key’, and the Fractal Dimensions of Spacetime in String Theory

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I would highly recommend following @salahealer9 on Instagram, author of the book “The Etheric Particle 216” for more related content. His original website www.universalzeropoint.com has inspired many of the earlier posts on my own instagram page and my book also contains some of his work to allow for further reinforcement and explanation.

1. Vortex Math Intro (written by the creator of www.polarizedfractalmaththeory.com)

(much of the text and images introducing this section up until the Nexus Key are written by the creator of www.polarizedfractalmaththeory.com)

Vortex Based Math (VBM) is a unique branch of number theory developed by Marko Rodin. “VBM”, is a study of math that focuses upon number “qualities” rather than quantities, because it is a mathematical system that encourages the description of infinities. This mathematical inquiry leads one to realize some key things about math that seem to be overlooked or under-appreciated by the “main-steam” community.
The study of VBM has led me to conclude that our Mod 9 number system is not trivial, but fundamental; according to geometric qualities. Every number from one to nine has a unique characteristic that defines its relationship to the other numbers. This theory is holistic in its approach, in that it assumes unity and lends itself to theoretical understandings of infinity. “The Grand Unified Field Theory” can be explained to a certain level of satisfaction using this new language of pattern that has its roots in fractal geometry, and other fundamental patterns and ratios found in the natural world – measurable, tangible examples of these principles. These principles are simple yet profound.

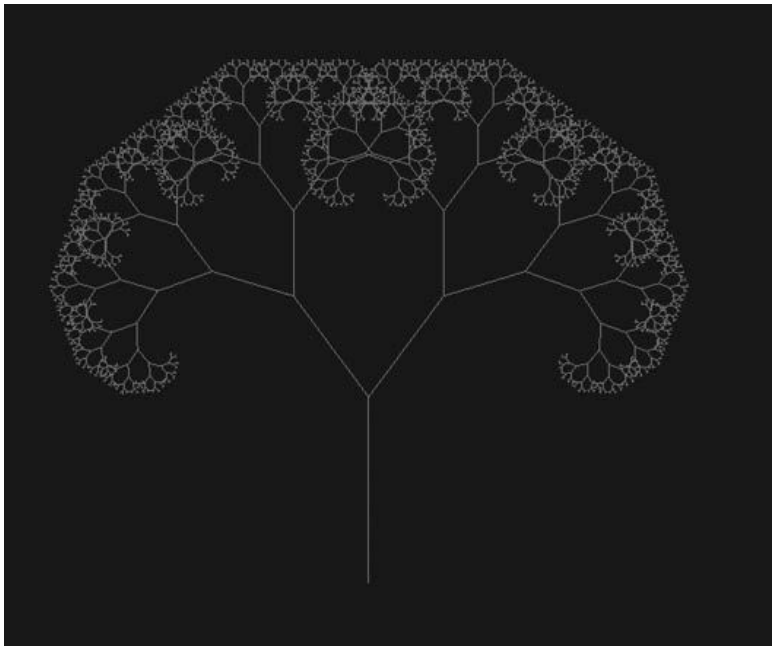


Figure 1 - A fractal is a classic example; it’s fundamentally just a mathematical feedback loop using multiplication and addition. The output is fed back to the input ad-infinitum, and yet absolutely beautiful, complex designs can be made with ease, using only the most axiomatic geometric and mathematical conditions.

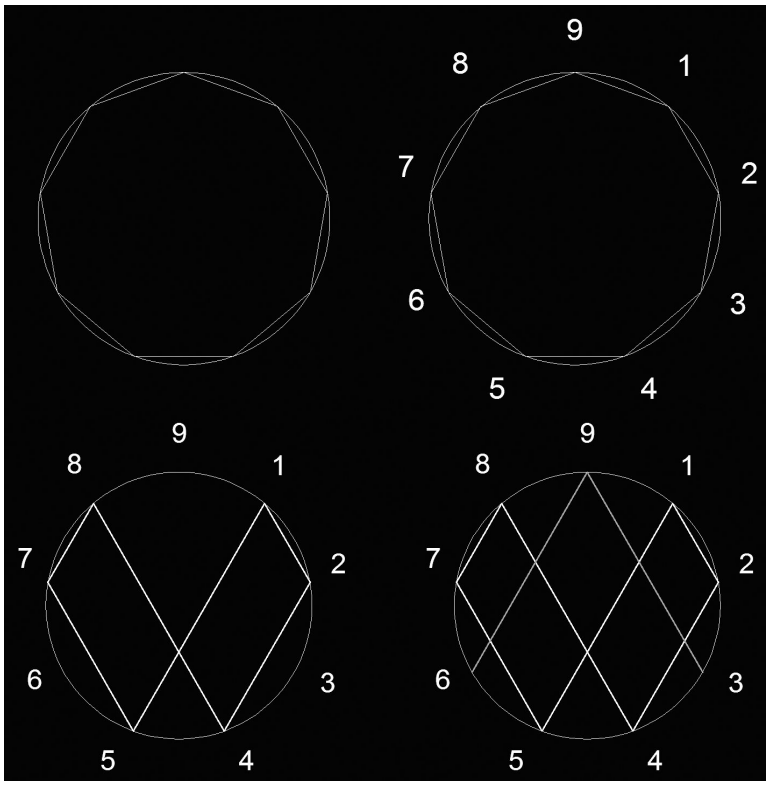


Figure 2 - The sequence 1 through 9 is actually the single digit multiples of 1; 1-2-3-4-5-6-7-8-9

Placing these 9 digits evenly around a circle with 9 at the top, now allows you to compare the numbers to each other geometrically. The main rule of VBM is to reduce all multiple digit numbers to single digits. This can be called decimal parity, numeric reduction or digital roots.

The “Rodin Dial” is simply the digits 1 to 9 displayed on a circle instead of a straight line so that they divide the circumference of a circle by 9. The number nine is placed at the top for orientation. There are two main components to this symbol; the straight lined infinity symbol and the triangle that does not connect at the bottom. The straight line infinity symbol is obtained by starting from 1 and simply doubling it and drawing a line from 1 to the next number which would be 2 – 2 doubles to 4, 4 to 8, 8 doubles to 16…

With the introduction of Vortex-Based Math you will be able to see how energy is expressing itself mathematically.
This math has no anomalies and shows the dimensional shape and function of the universe as being a toroid or donut-shaped black hole. This is the template for the universe and it is all within our base ten decimal system.
You will discover that the relationships between numbers are not random or man-made but that numbers are actually elementary particles of which everything is composed. This lost knowledge was well known to our ancients and is now being uncovered for us today.
Gradually you will come to see numbers in a simple yet profoundly perfect three-dimensional matrix grid pattern that forms the shape of a torus.
This fantastic coherence has existed since the beginning of time but has yet to be harnessed by mankind and the potential is truly infinite.
Mathematics as we know it today is only a tool to symbolize quantities. Vortex-Based Mathematics (VBM) is completely different because it is a dynamic math that shows the relationships and thus the qualities of numbers rather than the quantities.

At a young age, Marko Rodin drew out a circle with nine on top and 1 through 8 going around the circle clockwise, as shown above. Then he discovered a very intriguing number system within this circle. Marko knew he had stumbled upon something very profound. This circle with its hidden number sequence was a mathematical fingerprint of God.

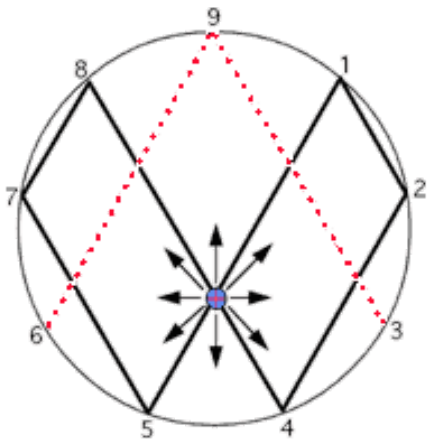


Figure 3 - Follow along as the amazing properties of this symbol unveil themselves to you. Put your finger on number 1 and without picking up your finger, move your finger in a straight line to number 2, then 4, then across the center to 8.
Notice that you are doubling. So next should be 16 and it is, but 1+6=7. So move your pencil to 7. Then 16 doubled is 32, but 3+2=5. So move your pencil to 5.
Then 32 doubled is 64 and 6+4=10 and 1+0=1. And you're back to 1.
So move the pencil across the center and back up to 1.
The significance of the Mayan calendar is that 64 is one complete cycle of infinity. Then it begins again with 64 doubled is 128 and 1+2+8=11, then 1+1=2. And so on. You will never get off this track as you keep doubling. Notice the infinity symbol has formed underneath your pencil, creating an ever-repeating pattern of 1, 2, 4, 8, 7, 5.

This number sequence stays intact as you half numbers as well. Start again at the 1 but this time go backwards on the infinity symbol. Half of 1 is .5, so move your finger to the 5. Then half of .5 is .25, and 2+5=7. So move your pencil to the 7. And half of .25 is .125 and 1+2+5=8. So move to the 8. Next half of .125 is .0625 and 0+6+2+5=13 and 1+3=4. So go across to the 4. And half of .0625 is .03125 and 0+3+1+2+5=11 and 1+1=2. So move to the 2. Forever staying on the route of 1,2,4,8,7,5 even backwards.

At this point some of you might be thinking, "What in the world do these number patterns have to do with real world applications?". These number groupings piece together into a jigsaw-puzzle pattern that perfectly demonstrates the way toroidal energy flows. Our base-ten (0-9) decimal system is not man made, rather it is created by this flow of toroidal energy.

There is still one more very important number pattern to be realized.
On the Rodin Coil pictured above, notice how the 3, 9, and 6 do not connect at the base.
The 3, 9, and 6 always occur together with the 9 as the control. In fact, the Yin/Yang is not a duality but rather a trinity. This is because the 3 and 6 represent each side of the Yin/Yang and the 9 is the 'S' curve between them. Everything is based on thirds. We think that the universe is based on dualities because we see the effects not the cause.

2. Simultaneous Doubling & Halving (written by creator of www.polarizedfractalmaththeory.com)

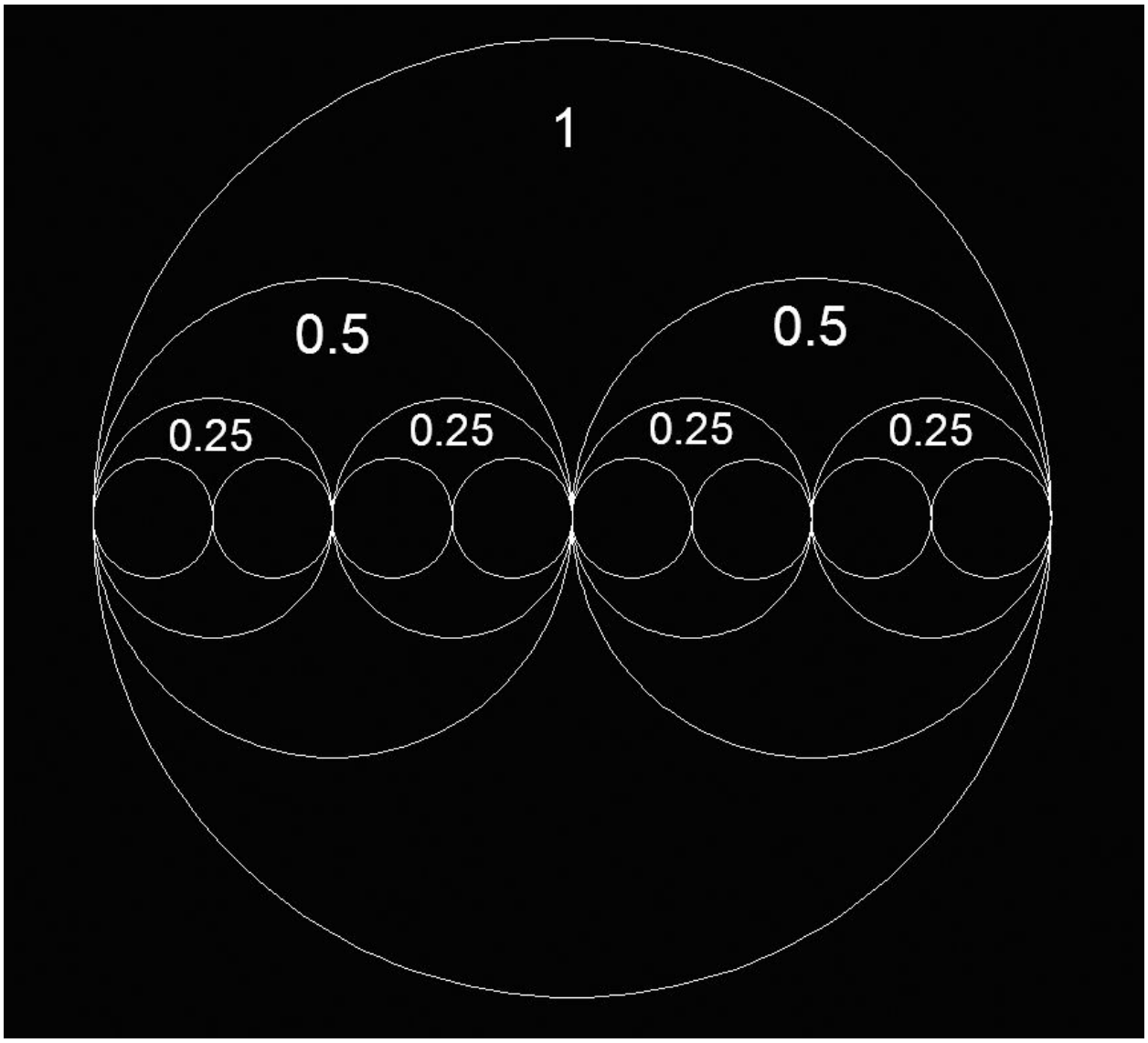


Figure 4 - This illustration demonstrates the principle of simultaneous doubling and halving, geometrically. Each new scale of circle/sphere is half as big but twice as many.
The Yin Yang symbol is found here by simply tracing one side of each circle through the central circle, like a Sine Wave. It is also the way octaves are found on a string for example.

This illustration is also an alternative two dimensional construction of a topological equivalent to the ‘Cantor set’ using pairs of circles. The limit set of El Naschie’s E-Infinity theory is very similar, but it has infinitely many dimensions and not only two like here.

1 is unlike any other number. It is absolute wholeness. The One is all there is, in the definition of one, there is nothing else and the one is homogenous; the same throughout.
The One divides into 2 new “ones” only they have a magnitude of 0.5 each, still ultimately making a 1.

It’s not 1 + 1 because that would imply 2 absolute wholes or “singularities”, from this level of theory, the fact that 1 is ALL, you can’t have two “alls”. The One fractured itself into infinity…
The most immediate and basic fraction is halving – dividing by 2. Imagine a line that is whatever length you like and cut it in half and repeat… in theory this would repeat forever, infinitely.
2 and 5 are now reciprocal in the sense that after simultaneously dividing and multiplying from 1, we get:

Quantity: 2 Magnitude: 0.5 (which simply reduces to 5).
2 and 5 now represent “complementary opposites”, that is, they are actually one thing appearing as opposites. Continuing the sequence – 2 doubles to 4, each with a magnitude of 0.25 (which is 2+5 = 7) ; 4 and 7 are now a kind of secondary reciprocal. 4 doubles to 8 and each has a magnitude of 0.125 which equals 8. So 8 is its own reciprocal, as is One.
8 doubles to 16 (7), 16 doubles to 32 (5) and 32 doubles to 64 which is 10 (1).

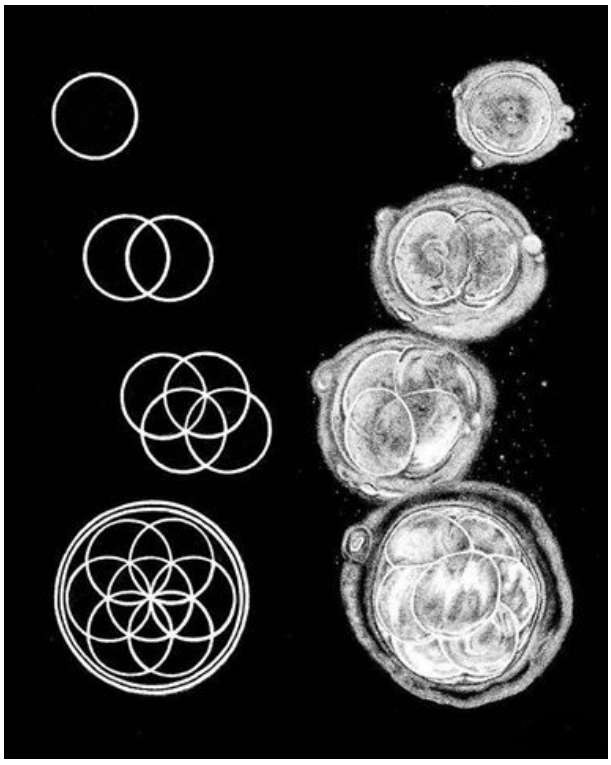


Figure 5 - The most fundamental pattern to cellular biology is this very sequence. Cell mitosis begins with a single cell and multiplies via division. At 4 cells they arrange into a Tetrahedron and at 8 a Star Tetrahedron (doubled and polarized).

Doubling and halving occurs simultaneously with 1 at the center. In light of digital root, there are just 6 digits that are used; 1-2-4-8-7-5. Halving is simply the opposite direction – 1 halves to 0.5, then 0.25, 0.125, 0.625 etc. The sequence would be 1-5-7-8-4-2.

These six digits are fundamentally different to the 3 digits left out; 3-6-9. We now have reciprocals 1-1, 2-5, 4-7, 8-8 and doubling 1-2-4-8-7-5 and halving 1-5-7-8-4-2.

The digital root version of the recursive series of simultaneous division/multiplication -halving/doubling, is;

1 – 1 2 – 5 4 – 7 8 – 8 7 – 4 5 – 2

This forms a Mod 6 recurring pattern that moves in opposite directions, with the “pivot point” on the ones and eights.This grouping of 6 has an inversion point – a line of inverted symmetry like a mirror inverts light. The inversion point is “the self-similar 8”. It just so happens that when you are making the doubling circuit on the Rodin dial, the right hand side goes clockwise and then goes through the circle and moves counter-clockwise and back to 1.

1- 2 – 4...after this it goes to 8 which is on the other symmetrical half and invert up to the top then moves backwards 8 – 7 – 5….. until inverting again to end up back at 1 (64).
This creates 3 groupings that has a 1/3 relationship in that – the first state of the singularity is self-similar, the next two are not.

This repeats only now 8 is self similar – this implies a fundamental resonance with the number 1 and the number 8 and is fundamentally geometric and has to do with equidistant points that create scales of balance points – equal and opposite forces.

The magnitude/quantity and relationship of the digits are lent from the nature of the geometry of the simultaneous division/multiplication of the singularity.

So there are fundamentally just 3 groups here but they are mirrored – the quantity and magnitude switch positions after 3 iterations and repeat except they are inverted – only 1 and 8 do not because they are self-similar.

So why are 1 and 8 connected? 1 is the initial point and 8 seems to be the first inversion point that is like unto the 1 and yet different. 1 and 8 balances out to a Nine (1+8=9) – and in VBM, these are called “mirror pairs”.

What happens when 8 is the quantity but 1 the magnitude? Well, in the case of three dimensional coordinates, 8 is the smallest amount of spheres needed to create spatial equilibrium. That is, the 3D version of the “seed of life” – whereby 8 spheres overlap each-others centers to create a “Star-tetrahedron”.

This is when all points are connected with vectors creating equal vectors on the outside and to the inside. Four points make a Tetrahedron but the tetrahedron needs to be doubled and inverted and overlaid to create equal distances on its outside and to its inside – which is to create a sphere.

So that the first new “One”, being a sphere from the point, is “eight”. It creates equilibrium which creates a sphere. A Tetrahedron can define a sphere but it has asymmetrical properties – when the X,Y,Z Cartesian coordinates are overlaid, they do not line up in equal ways – but a star-tetrahedron does.

It is 8 lots of “One” (8 points or singularities) that create a “new One” or new iteration of scale on all X,Y,Z coordinates.
And this “new one” can be multiplied by 8 and create the next fractal level – 64 spheres/tetrahedrons.

6 + 4 = 10 = 1 This is when the quantity and magnitude are both 1.

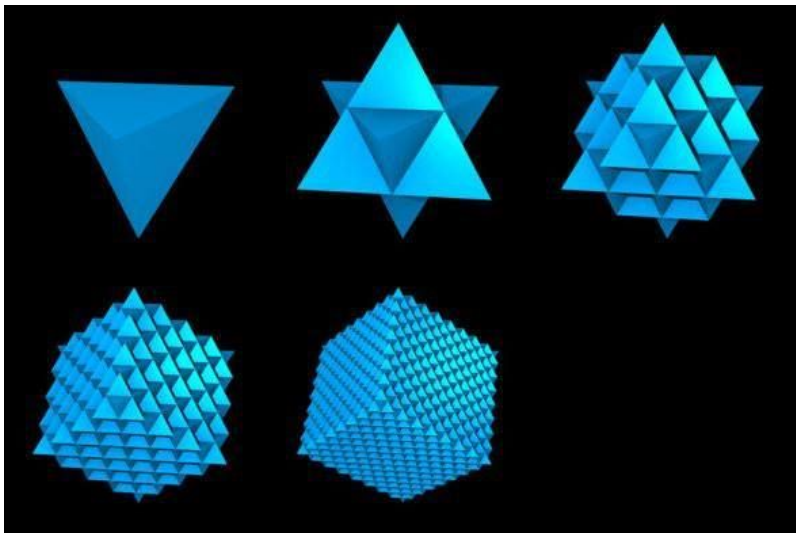


Figure 6 - Tetrahedron grid ‘octaves’ of 1,8,64,512,4096

The 8 was just the inversion point for a Mod 2 pattern 1 – 8 – 1 – 8…
1-8-64-512-4096… 1,8,1,8,1…

Where “1” is the origin point – 8 is the inversion point and back to the next “1” is back to a new fractal iteration of the origin point.

The star-tetrahedron and 64 tetrahedron grid are cubes only they have none of the lines of a cube.
It’s as if the Triangles/Tetrahedrons/64 matrices, create Circles/Spheres/Toroids that define Squares/Cubes.

The 64 tetrahedron grid is the next true "One” (6+4=10=1+0=1) since the very first “One” or “Sphere” or “Tetrahedron"...It now has the Cube-octahedron center and a scalable fractal on the outside of the matrix.
64 is equal to – 4^3, or 4 cubed.

3. Vector Equilibrium - Preview of Fractal Vortex Equation

Numbers and geometry are inseparable; numbers are fundamentally geometric qualities in the form of a language. The reason that certain geometries come about only under certain geometric conditions is the same reason math results come out according to certain mathematical principles. Certain forms achieve certain mechanisms that are unique to that geometry; The Mod 9 – numerical decimal system seen through the light of VBM, amazingly seems to be an axiom of geometry that equates to a fractal tiled surface topological skin over a torus – that is, a donut type structure with a star-tetrahedron/cube-octahedron dual at the center.

To construct a cube-octahedron or “Vector Equilibrium”, take 8 tetrahedra and point them all together. Then cut 3 octahedra in half and fill in the remaining gaps. The 11 Platonic Solids required to construct a Vector Equilibrium make up a total of 10,080 degrees. The combined diameters of Earth and Moon in miles is 10,080, the same amount of minutes in a week.

“The Vector Equilibrium is the zero point for happenings or non happenings; it is the empty theater...the empty universe ready to accommodate any act and any audience.” - Buckminister Fuller
A Vector Equilibrium consisting of rigid struts and connected by flexible vertices can be deformed into either an octahedron, tetrahedron or icosahedron; all of the ‘spherical’ platonic solids by collapsing the ‘square’ sides of this fluid shape.

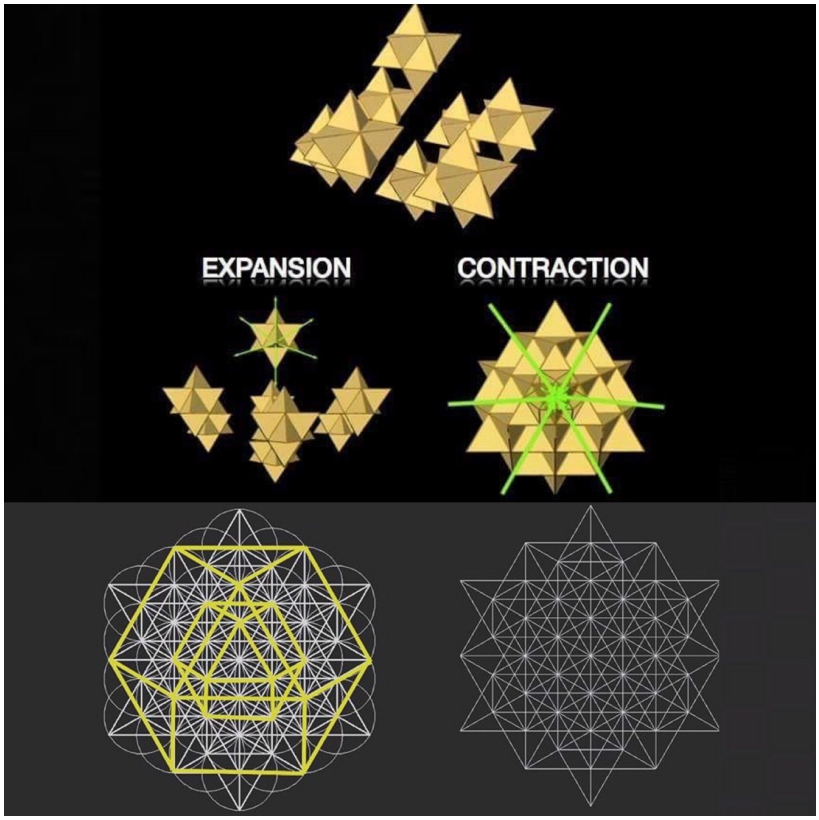


Figure 7 - Nassim Haramein describes the fundamental shape of the vacuum to be a 64 tetrahedron fractal grid with a cube-octahedron center. This grid is composed of 8 star-tetrahedra each made out of 8 tetrahedra which can be scaled infinitely large or small to create a fractal grid that contains a dual-fractal horizon singularity (cube-octahedron center) at any point in the tetrahedron fractal grid.

This dual-fractal geometry implies that any point in space could actually be a black hole, exactly as the previously shown string theory solutions have shown. In this post, I will be revealing numeric patterns that can be used to display a clear correlation between the star tetrahedron shape (dual-tetractys), fractal geometry, the 24 reduced numbers of the Fibonacci sequence as well as Prof. Mohammed El Naschie's solution to string theory, E-Infinity theory.

Vortex based math shows us that the numbers one to nine all contain unique characteristics, combining to create a monopole vortex. This monopole vortex has a polar pair, another lot of the digits one to nine. So the smallest part needed to create the structure is nine but it needs to be polarized and so 18 digits are needed to create a dual flow. The 18 digit "Nexus key" is used to create a polarized torus skin, which will be explained below.

A polarized torus skin is comprised of only single digits in a grid pattern. The distribution of numbers is such that no numbers occur more or less than another and every vortex has an opposing one.

The 18 digit "Nexus key" was originally discovered by the creator of www.polarizedfractalmaththeory.com.

This repeating sequence is very interesting to me because I have previously discovered another formula, by using the same repeating digits to create an 11-dimensional dual-fractal/toroidal vortex that infinitely self-replicates into both micro and macro scales and contains a cube-octahedron horizon singularity at any point in the fractal. It has been over 3 years since I discovered this unique fractal vortex, I have been searching the internet in order to learn how to properly explain this discovery by correlating these number sequences to string theory solutions as well as the principles of metaphysics. Due to the complexity of this fractal vortex equation, it would be very difficult to explain it all without first explaining the foundation of knowledge that leads to this discovery. The first 4 parts of my book are a great introduction, but I have several more parts of information to explain at a later date before this discovery can be fully understood.

In the meantime, by revealing the 18 digit "Nexus key" and explaining its correlation to the Fibonacci sequence as well as string theory and the star-tetrahedron geometry, I hope that you can see the importance of numeric pattern analysis, and also that you can begin to understand the interconnected nature of our universe through a whole new perspective.

4. Nexus Key (written by the creator of www.polarizedfractalmaththeory.com)

The One is all there is and all there is – is the One. The One does not become two in the way that we would count out natural numbers : 1,2,3,4… (these are actually “multiples of One”.)
The One divides and multiplies simultaneously. So as to always be the One – nothing is added or taken away.

The One divides into two “ones” that are half as big – 2 lots of 0.5. The quantity is “2”, and the magnitude is “0.5”. It has multiplied by 2 AND divided in 2. There is now a ratio that did not exist before and yet nothing has been added or taken. Now we have a reciprocal relationship. The recursive formula is self-similar – the first step is repeated infinitely…

When the very first iteration of the infinite series of simultaneous division and multiplication began – the quantity was now “2” but magnitude was “0.5”. Not self similar – but interconnected in an inverted sense – they are really “one and the same” – they are two halves of One thing.

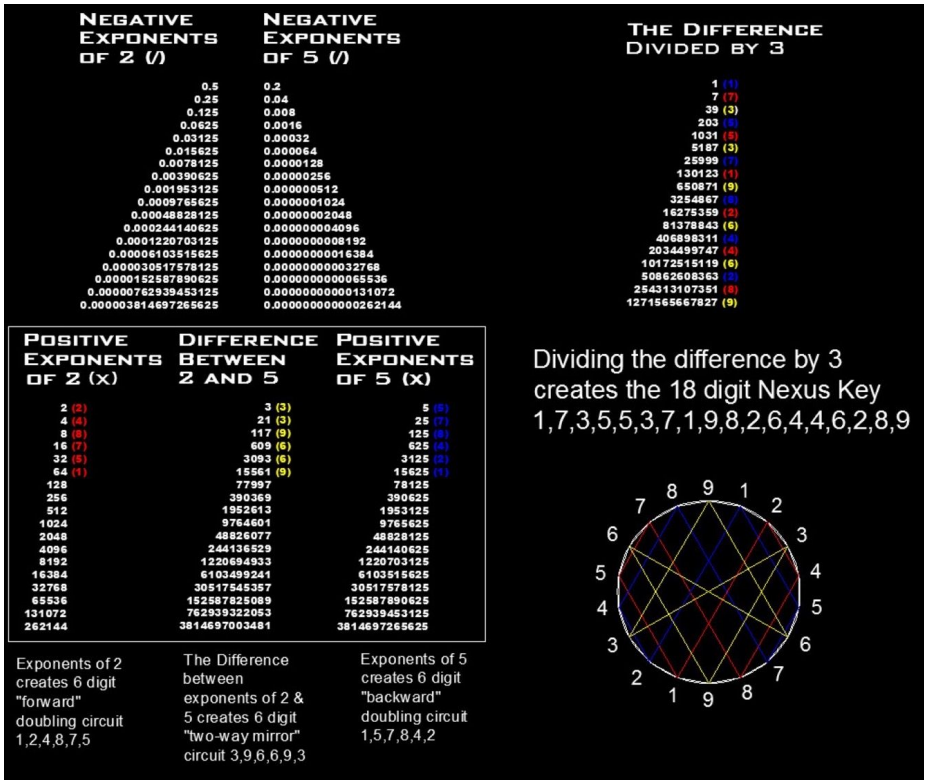


Figure 8 - Here we are showing that – the numbers 2 and 5 have a reciprocal relationship in that they create the same sequences when multiplying or dividing; the positive and negative exponents of 2 and 5 all create the very same sequences albeit on different sides of the decimal point.
The digital root reveals the inverse reciprocal relationship of the “1-2-4-8-7-5, 1-5-7-8-4-2 Doubling Circuits”.

Also, more to the point, when you compare the two sequences and find their difference using subtraction – you obtain a new sequence – when this new sequence is reduced to single digits it creates a very familiar 3-3-9-6-6-9 circuit.

These 3 circuits (shown in Red,Yellow and Blue) are exactly all that are needed to create the “Torus Skin” number matrix.

When the new differential sequence is obtained – if you divide each number by 3 (the first number of the sequence, the foundation digit of the 3-3-9-6-6-9 circuit, and also 5-2=3) you will get a new sequence of digits.
When compressed to single digits using digital root – this new sequence is called the “Nexus key” and it is like a cross-section of the entire Torus Skin matrix.

1,7,3,5,5,3,7,1,9,8,2,6,4,4,6,2,8,9

It’s a single slice of the matrix that contains all the information of the entire matrix.
It only needs to be repeated next to itself to recreate the entire Torus Skin – only you need to repeat each line next to the last in an off-set of 3 spaces.

So if you wrote out one line of it, the next line needs to be right above or below it, only out of phase by 3 positions.

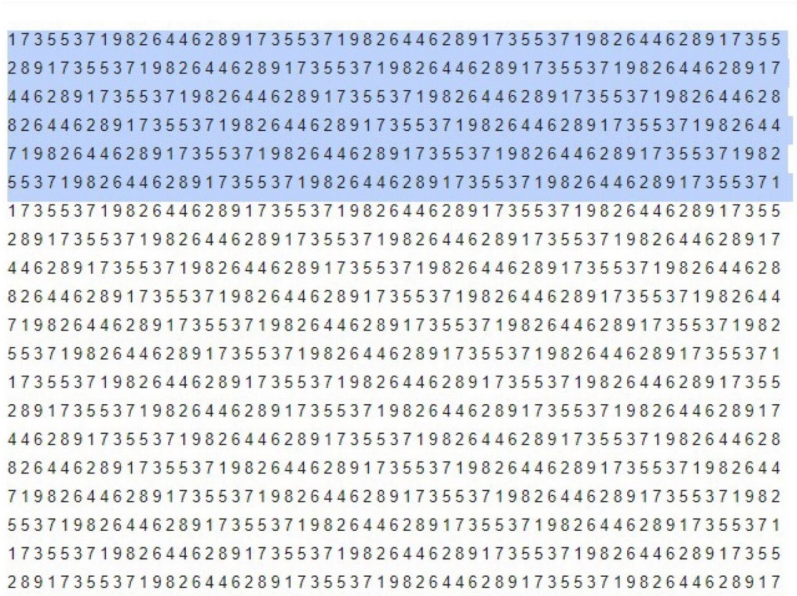


Figure 9 - Repeat this over and over and you will soon have created a Torus Skin matrix. The most immediate pattern to note within the Torus skin matrix is that every 3 vertical columns alternates with reciprocal doubling/halving circuits, followed by a 3-3-9-6-6-9 circuit.

If you add two numbers together in each vertical column (i.e. 1+2, 4+8, 7+5, etc) and reduce to single digit, each column alternates all 3’s, all 6’s, all 3’s, all 6’s, etc.

Another pattern to note within this unique Torus skin matrix is that the same horizontal pattern repeats every 6 rows. What I find most interesting about this 6 row pattern is that google docs formatted the page perfectly so that the 1st row is actually the 6th row but backwards, the 2nd row is the 5th row backwards and the 3rd row is the 4th row backwards.

5. 24 Reduced Fibonacci Numbers

The most important pattern to realize about the Nexus key sequence and its derivatives, is that these sequences are almost identical to the 24 reduced numbers of the Fibonacci sequence.

In the Fibonacci sequence. 0,1,1,2,3,5,8...The ratio of each number in the series to the one before it converges on the golden ratio (Phi) as you move towards infinity ∞. This ratio has been shown to permeate every aspect of our Universe.

Now, the Fibonacci sequence has been shown to have a hidden pattern that repeats every 24 numbers.
It has been previously shown that this repeating 24 number pattern is encoded into Pascal's triangle, along with a repeating 1-2-4-8-7-5 sequence.

This 24 number pattern has also been previously shown to create the energetic pathways that are necessary to manifest the 5 Platonic Solids when placed around a circle in 15 degree intervals.

Applying numeric reduction to the Fibonacci series produces an infinite series of 24 repeating digits:
1, 1, 2, 3, 5, 8, 4, 3, 7, 1, 8, 9,
8, 8, 7, 6, 4, 1, 5, 6, 2, 8, 1, 9

If you take the first 12 digits and add them to the second 12 digits and apply numeric reduction to the result;
9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9

The two repeating sets of 12 reduced values create a matrix of 3-digit cells delimited by the same 3,3,9,6,6,9 sequence that was derived by comparing the positive and negative exponents of 2 and 5 and finding their difference using subtraction.

Not only does the content of each cell reduce to a 1-2-4-8-7-5 sequence, but the complete cell reductions are also inverse of the opposite row, totaling to 9;

{1 1 2} 3 {5 8 4} 3 {7 1 8} 9
{8 8 7} 6 {4 1 5} 6 {2 8 1} 9
Complete cell reduction:
4 8 7
5 1 2
9 9 9
Recognize the pattern? It’s the doubling set 1-2-4-8-7-5 and it continues in the next 24 digits perfectly.
1st 24-digits 6 cells: {4, 8, 7, 5, 1, 2} 2nd set {4, 8, 7, 5, 1, 2} and so on, ad infinitum.

If we look even closer at this pattern;
{1 1 2} 3 {5 8 4} 3 {7 1 8} 9
{8 8 7} 6 {4 1 5} 6 {2 8 1} 9
Notice that the last value in each cell generates a 1-2-4-8-7-5 pattern going forwards.
The first value in each cell generates a 1-2-4-8-7-5 pattern going backwards.
The positive and negative exponents of 2 and 5 all create the very same sequences albeit on different sides of the decimal point.Their digital roots reveal the same inverse reciprocal relationship of the “1-2-4-8-7-5, 1-5-7-8-4-2” pattern.

The middle value in each cell generates a dual-triangular 1-1-1 and 8-8-8 pattern, which will be shown to correlate with the manifestation of the last 2 Platonic solids.
1+1+1=3 and 8+8+8=24, 8*3=24, also note that 432 / 4 = 216 / 2 = 1-0-8.

Finally, in the first value of each cell, the last value of each cell and even the previously shown complete cell reduction, notice that there is a constant interwoven 1-4-7 and 2-5-8 pattern between the two sets of 3 cells.

The 216 Letter Hidden Name of God and the 24 Reduced Fibonacci Numbers

In the Ancient Kabbalah it was believed that there is a secret 216 Letter Hidden Name of God and that once this name is revealed it will usher in the Messianic age.

Remember that in Ancient times, people traditionally practiced Gematria which was a system of assigning a numerical value to a word or phrase. Numbers were used as letters and words.

The Fibonacci sequence is an integer approximation of the golden spiral. The golden spiral is found within all of Nature.
There are also results of starting the Fibonacci sequence not just by the number 1, but of all single-digit numbers: 1-9.

Then, we can reduce all multi-digit numbers to be reduced to single digit numbers like before.
1 1 2 3 5 8 4 3 7 1 8 9 8 8 7 6 4 1 5 6 2 8 1 9
After the 24th sequence of Fibonacci, the entire sequence of ‘reduced numbers’ repeat. If you look at 25 - 48, it would repeat perfectly the same numbers in the same sequence:
1 1 2 3 5 8 4 3 7 1 8 9 8 8 7 6 4 1 5 6 2 8 1 9.
Same thing, always, as explained before.

Now, we can use the number 2 to start the Fibonacci sequence, instead of 1. (0,2,2,4,6,10..)
And the same pattern repeats again - though the numbers are slightly different - the entire string of reduced numbers through 24 sequences, repeated:
2 2 4 6 1 7 8 6 5 2 7 9 7 7 5 3 8 2 1 3 4 7 2 9.
If you look at 25 - 48, it would repeat perfectly the same numbers in the same sequence:
2 2 4 6 1 7 8 6 5 2 7 9 7 7 5 3 8 2 1 3 4 7 2 9.

This is intriguing, so we continue and start with the number 3, and find that the string of reduced numbers - didn't repeat every 24th value, but in 3 sets of 8 [8x3=24].
Going down through the sequence, you see:
3 3 6 9 6 6 3 9, 3 3 6 9 6 6 3 9, 3 3 6 9 6 6 3 9.
Interesting as well, all single digit solutions are either 3, 6 or 9.
This is true for number 6 as well, whereas number 9 repeats itself eternally, without any variation.

So, to summarize, when starting the Fibonacci sequence off with numbers 1, 2, 4, 8, 7, or 5 they all repeat a nearly identical string of numbers in intervals of 24.

3 and 6 repeat their strings of 24 reduced numbers in 3 sets of 8, while 9 is infinite and never changing.

Note - the 216th number in the Fibonacci sequence is;
6192204516665901352286753878632978742693965 12
And if you add up all the individual digits in that number it adds up to 216.

Plato alludes to the fact that 216 is equal to 6*6*6 or 6^3.
Plato was also aware of the fact that the sum of the cubes of the 3-4-5 Pythagorean triple is equal to 216.

The total number of corner-angle degrees on the surface of a cube is 2160.
The diameter of the moon is 2160 miles.
The years of a Zodiac Age are also 2160.
216 is also the result of 432 / 2.

Interestingly enough, 24 reduced numbers * 9 sequences = 216, therefore the full 216-digit sequence is as follows;
1 1 2 3 5 8 4 3 7 1 8 9 8 8 7 6 4 1 5 6 2 8 1 9
2 2 4 6 1 7 8 6 5 2 7 9 7 7 5 3 8 2 1 3 4 7 2 9
3 3 6 9 6 6 3 9 3 3 6 9 6 6 3 9 3 3 6 9 6 6 3 9
4 4 8 3 2 5 7 3 1 4 5 9 5 5 1 6 7 4 2 6 8 5 4 9
5 5 1 6 7 4 2 6 8 5 4 9 4 4 8 3 2 5 7 3 1 4 5 9
6 6 3 9 3 3 6 9 6 6 3 9 3 3 6 9 6 6 3 9 3 3 6 9
7 7 5 3 8 2 1 3 4 7 2 9 2 2 4 6 1 7 8 6 5 2 7 9
8 8 7 6 4 1 5 6 2 8 1 9 1 1 2 3 5 8 4 3 7 1 8 9
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

All of these sequences can be broken into two subsets of 12 which also reduce to 9 when added together as shown before.

Remarkably, each of the sequences starting with 1, 2, 4, 8, 7, or 5 follow the exact same 1, 2, 4, 8, 7, 5 cell reduction patterns that were mentioned earlier. Using sequence 2 as an example, it can be seen that this sequence contains all of the same interwoven patterns that were shown in the original sequence from before;
{2 2 4} 6 {1 7 8} 6 {5 2 7} 9
{7 7 5} 3 {8 2 1} 3 {4 7 2} 9
Notice again that the last value in each cell generates a 1-2-4-8-7-5 pattern going forwards.
The first value in each cell generates a 1-2-4-8-7-5 pattern going backwards.
Once again in the first value of each cell, the last value of each cell and even the previously shown complete cell reduction, notice that there is also a constant interwoven 1-4-7 and 2-5-8 pattern between the two sets of 3 cells.

If we were to take a closer look at the entire 216 digit sequence, we can also notice some more patterns;
1 1 2 3 5 8 4 3 7 1 8 9 8 8 7 6 4 1 5 6 2 8 1 9
2 2 4 6 1 7 8 6 5 2 7 9 7 7 5 3 8 2 1 3 4 7 2 9
3 3 6 9 6 6 3 9 3 3 6 9 6 6 3 9 3 3 6 9 6 6 3 9
4 4 8 3 2 5 7 3 1 4 5 9 5 5 1 6 7 4 2 6 8 5 4 9
5 5 1 6 7 4 2 6 8 5 4 9 4 4 8 3 2 5 7 3 1 4 5 9
6 6 3 9 3 3 6 9 6 6 3 9 3 3 6 9 6 6 3 9 3 3 6 9
7 7 5 3 8 2 1 3 4 7 2 9 2 2 4 6 1 7 8 6 5 2 7 9
8 8 7 6 4 1 5 6 2 8 1 9 1 1 2 3 5 8 4 3 7 1 8 9
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Notice how each vertical column always contains either 3 6 9 or exactly one of each digit 1-9;
the first 2 columns are ordered 1-9, the 3rd column is ordered even-odd
every 4th column is a 3-6-9 sequence
we also know that every 3rd horizontal row contains either a 3, 6, or 9, therefore vertical columns 5-7 happen to be uniquely designed so that each cell of 2, between the constant 3, 6 or 9, also has an interwoven 1-4-7, 2-5-8 pattern within the 3 cells of 2
vertical column 8 is 3-6-9, column 9 has the interwoven 1-4-7, 2-5-8 cells
column 10 is ordered 1-9, column 11 is reverse ordered 1-9, finally column 12 is all 9s
We know that the complete 216 digit pattern is formed by the 9 different 24 digit reduced Fibonacci sequences that can each be broken down into two subsets of 12, showing mirrored numerical symmetry.
This means the patterns in the next 12 vertical columns are perfectly mirrored to the patterns that were expressed in the first 12 vertical columns. The amount of interwoven numerical perfection within this 216 digit sequence is almost unbelievable.

Chad Adams has also done more research on the alternative Fibonacci sequences, his work is available online. For the sake of space I will reserve expanding on this topic for a future section.

The following images were created by Paul Bevan by placing the 24 reduced Fibonacci numbers around a circle in 15 degree intervals. Every "9 pair" of this infinitely repeating pattern is on the opposing side of the circle.

In the center is 'metatron's cube' aka a symmetric pattern where every circle center connects to every other center. This shape has historically resembled the sacred geometrical origin to our universe's creation because it derives the 'tree of life' as well as the 5 platonic shapes.

The Metatron is a reference to the highest Sephirot of the Kabbalah tree of life at Kether or the crown. The Metatron is also equated with Thoth or Hermes; author of the Emerald Tablets of Thoth, as well as the merge of electromagnetic polarities at the 'Zero Point'.
Note that these connected circles all lead out to the 3,6,9.
3+6+9=18=1+8=9
The symmetric 1-1-1/8-8-8 sequences are connected as well. Note that these sequences also add up to 9, obviously 8+1, however; 8+8+8=24=2+4=6, 1+1+1=3, 6+3=9

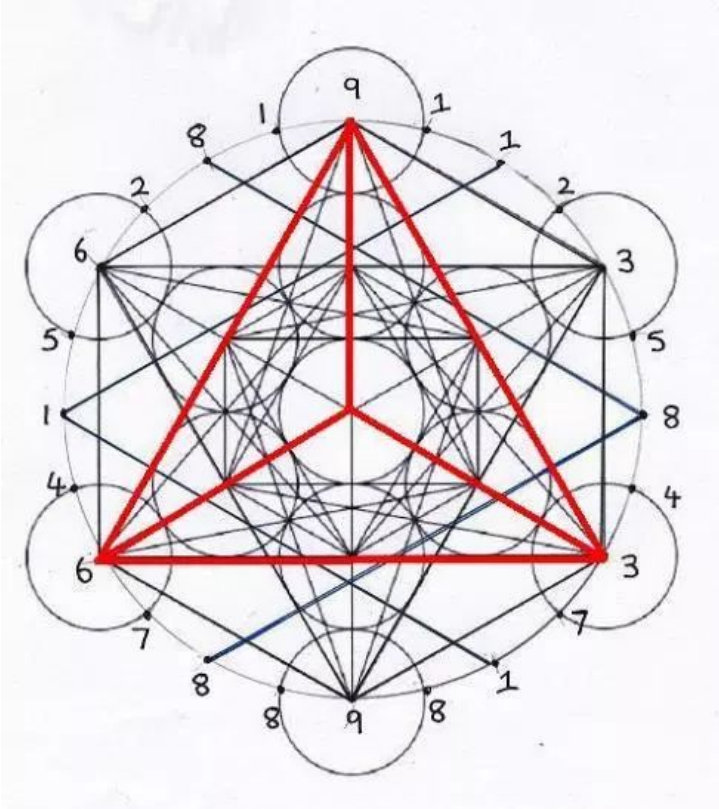


Figure 10 - The tetrahedron is the first manifested polyhedra, believed by Plato to be the element of fire.

In our Fibonacci circle, it is generated by the interaction of the triangular configuration formed by the 3,6,9 pattern.

The tetrahedron is held to self-replicate into a star tetrahedron, as a primary manifestation of duality. In the instance of this example, this means that it drops below and forms another tetrahedron from the remaining 3,6,9. The vertices of this star tetrahedron can now supply all the points of manifestation of the next two solids, the cube and the Octahedron, a pairing of solids which manifest congruently with each other.

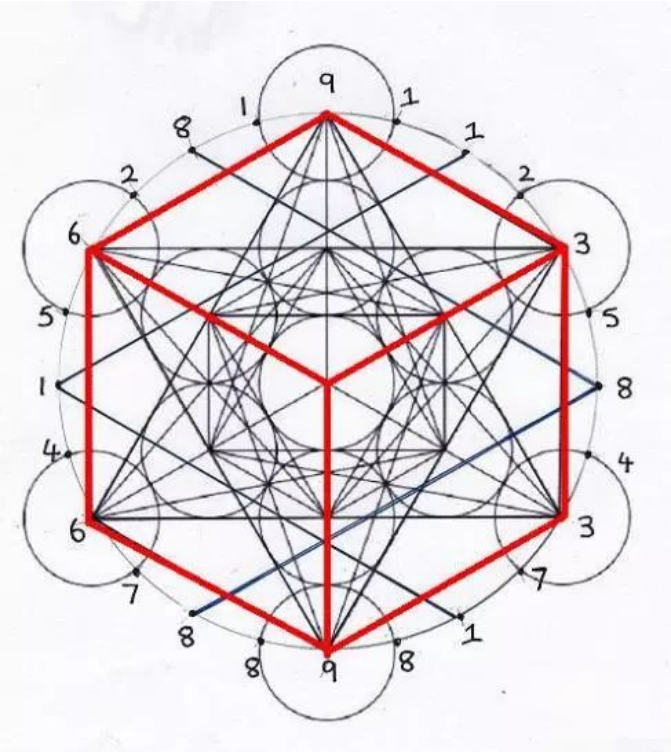


Figure 11 - The cube, equated with the element of Earth, again in its generation is a product of the 3,6,9 matrix. Its 6 faces provide for the manifestation of the third solid, the octahedron; its vertices are all located at the center point of the cube's faces.

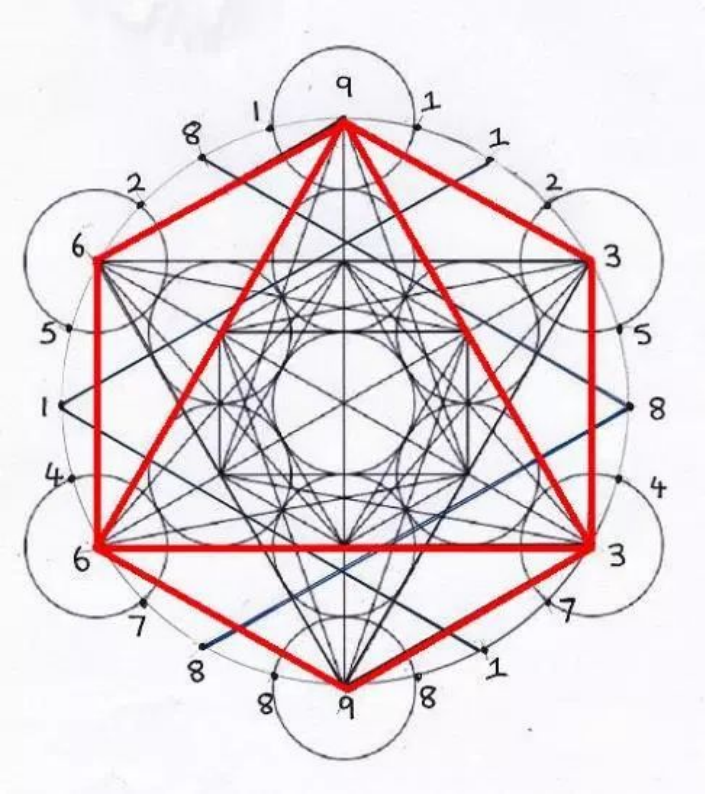


Figure 12 - The octahedron, with its classical connection to the element of Air, is also like its partner, the cube, generated by the same 3,6,9 template.

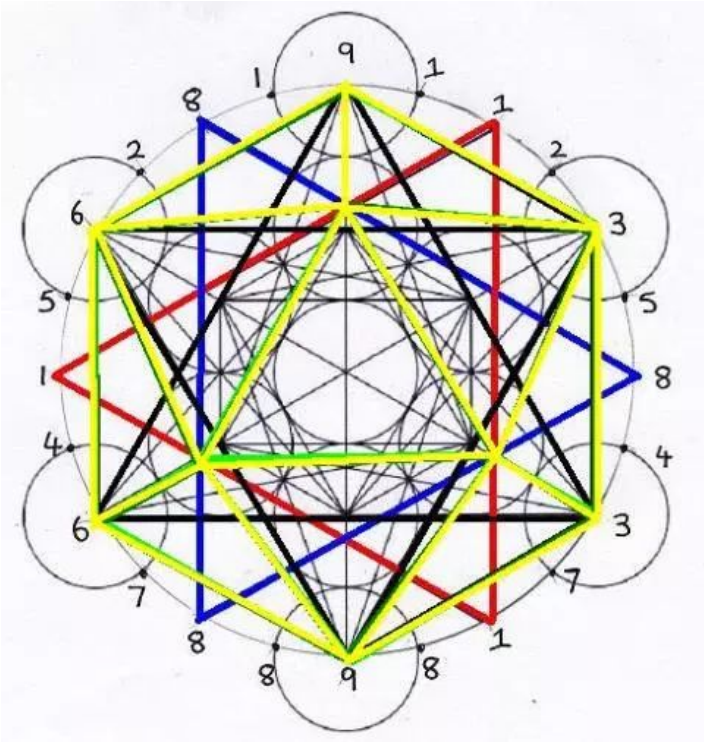
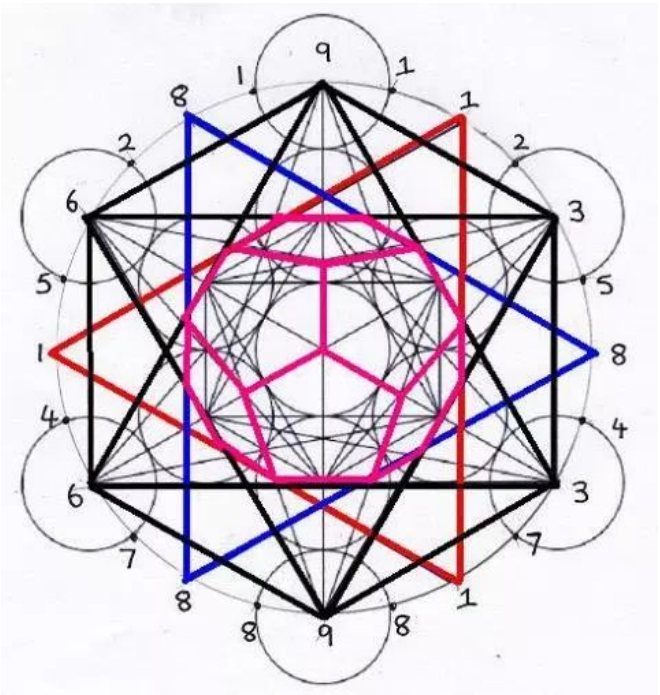


Figure 13 - We now come to the final pairing, the icosahedron (Water) and the dodecahedron (ether), these differ from the previous solids in that the 1-1-1/8-8-8 sequences are now connected in order to manifest within the Fibonacci numbers.

We now see that a second oscillated star tetrahedron is reliant on the 1-1-1/8-8-8 in order to provide the relevant energetic pathways required to generate these two solids.

Figure 14 - The dodecahedron (The ether), can now sit comfortably within the matrix created by the 3-6-9 configuration and the 1-1-1/8-8-8 star.

Note, the only numbers remaining in the sequence that are not connected to this matrix are dual reciprocal doubling circuits. Start at the top at the 1 on either side, now keep jumping 4 spaces, as you go around the circle you will find a 1,2,4,8,7,5 pattern going in either direction.



6. Nexus Key / 24 Reduced Fibonacci Numbers Analysis

Now, if we compare the 18 digit Nexus key directly to the 24 reduced numbers of the Fibonacci sequence, we will find a remarkable correlation by using 2 identical strings of digits in a similar fashion to the 24 reduced numbers…

Nexus key
1 7 3 5 5 3 7 1 9
8 2 6 4 4 6 2 8 9
24 reduced Fibonacci numbers
1 1 2 3 5 8 4 3 7 1 8 9
8 8 7 6 4 1 5 6 2 8 1 9

Do you see the correlation? Aside from the fact that both sequences add vertically to 9, what if we space out the numbers a little more?

Nexus key
{1 7} 3 {5 5} 3 {7 1} 9
{8 2} 6 {4 4} 6 {2 8} 9
24 reduced Fibonacci numbers
{1 1 2} 3 {5 8 4} 3 {7 1 8} 9
{8 8 7} 6 {4 1 5} 6 {2 8 1} 9

The only thing that is missing between these two sequences is the dual-triangular 1-1-1 and 8-8-8 pattern, that was previously used to manifest the last 2 Platonic shapes when placing the 24 reduced numbers around a circle. This dual-triangular pattern creates a star-tetrahedron inside the circle, generating the edge boundaries for both the Icosahedron and Dodecahedron. It is almost ironic that the complete cell reduction of the 1-8 digit Nexus key is also a dual-triangular 1-1-1,8-8-8 pattern.

{1 7} 3 {5 5} 3 {7 1} 9
{8 2} 6 {4 4} 6 {2 8} 9
{8} 3 {1} 3 {8} 9
{1} 6 {8} 6 {1} 9

We can also derive 1 and 8 by adding every 2 numbers in the Nexus key together.
{1 7} {3 5} {5 3} {7 1} 9
{8 2} {6 4} {4 6} {2 8} 9
{8} {8} {8} {8} 9
{1} {1} {1} {1} 9

If the 1-1-1,8-8-8 star tetrahedron was added to the 18 digit Nexus key, the result would be almost identical to the 24 reduced Fibonacci numbers. The only difference between the sequences now is that every 3rd cell number is swapped vertically.

Nexus key + 1-1-1,8-8-8 star
{1 1 7} 3 {5 8 5} 3 {7 1 1} 9
{8 8 2} 6 {4 1 4} 6 {2 8 8} 9
24 reduced Fibonacci numbers
{1 1 2} 3 {5 8 4} 3 {7 1 8} 9
{8 8 7} 6 {4 1 5} 6 {2 8 1} 9

The complete cell reduction of the Nexus key plus the 1-1-1,8-8-8 star-tetrahedron is all 9s, rather than the 4-8-7-5-1-2 doubling circuit that is embedded into the complete cell reduction of the 24 reduced numbers.
{9} 3 {9} 3 {9} 9
{9} 6 {9} 6 {9} 9
{4} 3 {8} 3 {7} 9
{5} 6 {1} 6 {2} 9

If we create cells of 3 within the Nexus key, also including the 3-3-9-6-6-9 circuit this time, the complete cell reduction uncovers another embedded 1-2-4-8-7-5 circuit.
{1 7 3} {5 5 3} {7 1 9}
{8 2 6} {4 4 6} {2 8 9}
{2} {4} {8}
{7} {5} {1}

It is incredible that this complete cell reduction reveals the same 3 sets of 3rd numbers that were swapped vertically from the 24 reduced Fibonacci numbers, however this time, they are in the correctly swapped order, just as they would appear in the 24 reduced Fibonacci numbers.

Finally, notice that there is also a constant interwoven dual-triangular 1-4-7 and 2-5-8 pattern between the two sets of 3 cells in the Nexus key, just like the 24 reduced numbers.

{1---7} 3 {5---5} 3 {7---1} 9
{8---2} 6 {4---4} 6 {2---8} 9

7. Prime Numbers Introduction

“It almost makes sense that there would be a hidden correlation between the positive and negative exponents of 2 & 5 and the 24 reduced numbers of Fibonacci sequence, since 2 and 5 are the 3rd and 5th Fibonacci numbers, the 4th Fib number being their difference, 5-2=3. These numbers are also the first three prime numbers. [Side note; since 5-2=3 and also 5+2=7, another correlation is revealed, the number 37.. this number will be analyzed in a separate upcoming section.] The first three primes are special numbers, while they are official primes in that they fulfill the basic requirements of a prime number, they are to be considered in a slightly different category. Besides these three numbers, every subsequent prime into infinite cannot be an even number (2) cannot be reduced to a (3,6 or 9) and can’t end in a 5 or 0.

So, kinda like a set of laws for primes; every prime after three, reduced to a single digit, creates a “Doubling Circuit” number – a 1,2,4,8,7 or 5. These first three primes create a sort of foundational principle for the rest of the primes into infinity and are the only numbers that “break the laws” because they also “create the laws” – they are the fundamental building blocks.

This sequence known as “Primes” becomes a kind of feedback pattern not unlike the Fibonacci Sequence in the sense that previous primes become divisors of larger numbers that then must be discarded because they are divisible by those previous primes – meaning, the reference point for whether or not a new number can be thought of as prime becomes dependent on previous primes in the sequence.” - (quote by the creator of polarizedfractalmaththeory.com)

Paul Bevan’s prime number analysis:

According to Dr. Peter Plichta a German chemist, the ancient Egyptians were aware of a hidden pattern buried away within the prime number sequence.

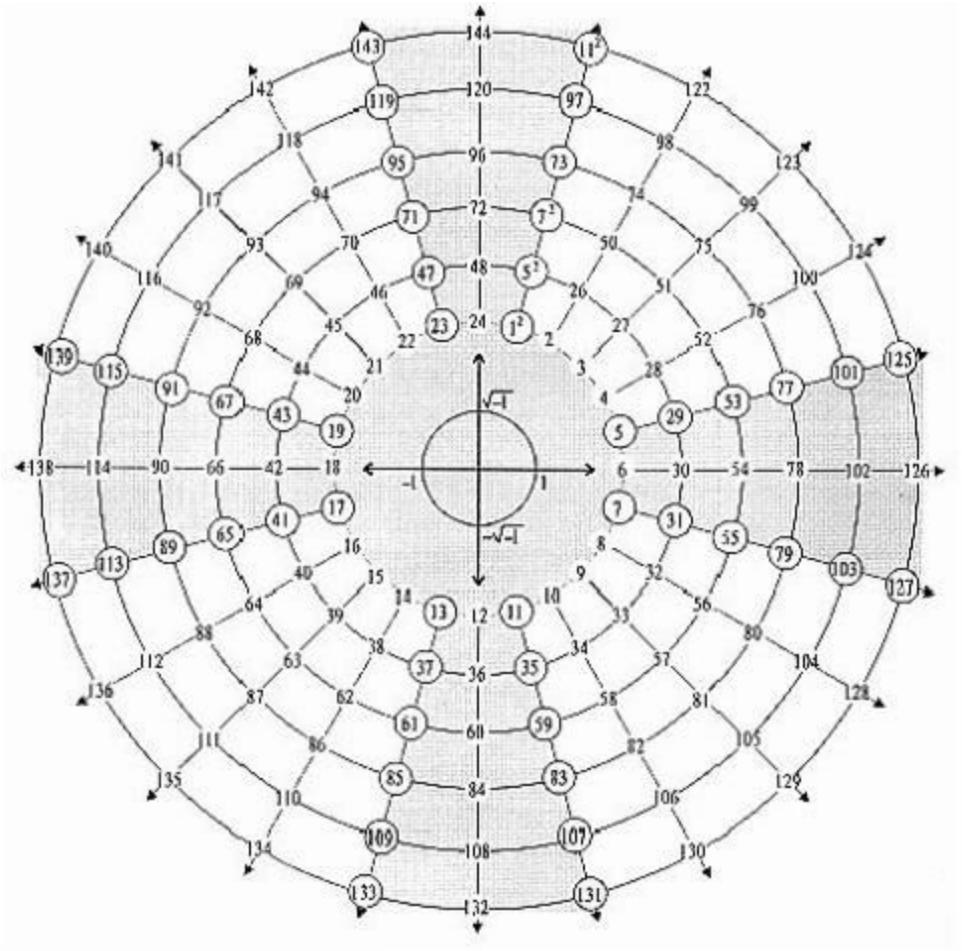


Figure 15 - By placing the numbers from 1 to 24 into a circle, as we did previously with the 24 reduced Fibonacci numbers and moving in a clockwise direction, then placing the next 24 numbers of the sequence running concentrically around it, repeating this maneuver, we discover that the prime numbers fall on the diagonals which in turn appear to form the image that could explain the origin of the Templar cross symbol. Since every prime number falls on these diagonals, every number on these diagonals reduces to either a 1,2,4,8,7, or 5...alternating in each diagonal with a 1-4-7 or 2-5-8 sequence.

Recently, Robert Edward Grant has used this ancient Prime number pattern to define a new classification of non Prime numbers called Quasi Prime numbers, numbers divisible by Primes greater than 5 which occupy the same position as the Primes on the Prime number cross, effectively predicting the prime numbers infinitely with his new formula.

I would love to expand my work in the future to incorporate these new discoveries, however the bulk of the first 4 parts of this book were written over the past 2 years, and there is already so much more to explain, rest assured this topic will definitely be revisited in a future publication.

Contained within the pictured prime number cross are the numbers from 1 to 144. Within this series of the first 144 numbers there are 34 prime numbers. On Plichta's diagram we note that only 32 primes fall into the cross. The primes 2 and 3 are for some reason, excluded from this Templar cross patterning. Taking these primes which fall within the cross;
5,7,11,13,17,19,23,29,31,37,41,43,47,53,59,61,67,71,73,79,83,
89,97,101,103,107,109,113,127,131,137,139.

Their total value is 2124 which reduces to 9.
The numbers 2 and 3 are the excluded exceptions but 2+3=5, the first prime that falls within the cross.
Taking the full prime sequence up to 144
2,3,5,7,11,13,17,19,23,29,31,37,41,43,47,53,59,61,67,71,73,79,
83,89,97,101,103,107,109,113,127,131,137,139.
Their total value is 2129 which in turn reduces to 5 (2+3).

Reducing the numbers on the prime cross to a single digit by mod 9
reveals the following array-and it is a familiar one also-all the numbers fall into 3 distinct straight line sequences alternating as follows;
1-4-7, 2-5-8, 3-6-9
Which in turn break down further to a single digit pattern, 3-6-9.

This pattern is visible within the array of numbers if we read them in straight lines from inner to outer;
eg;714714, this continues over in the opposite line with a chirality of 471471

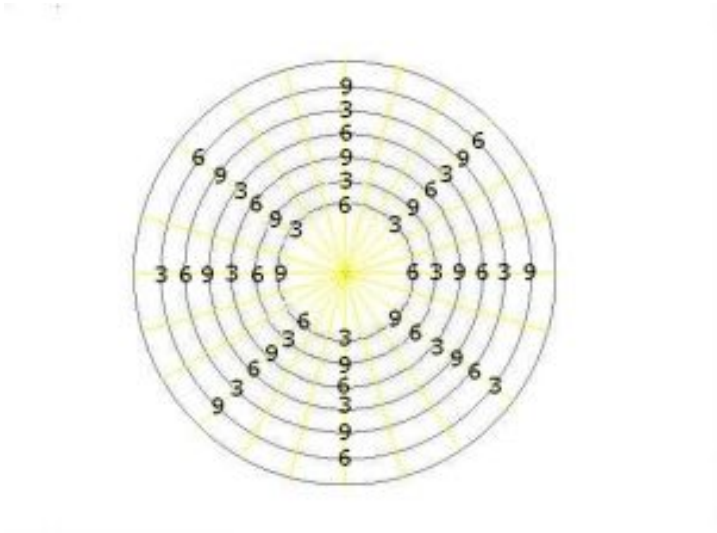


Figure 16 - 3-6-9 strand patterning shown within prime number cross.

The same patterning occurs within all the number strands throughout the prime number cross.

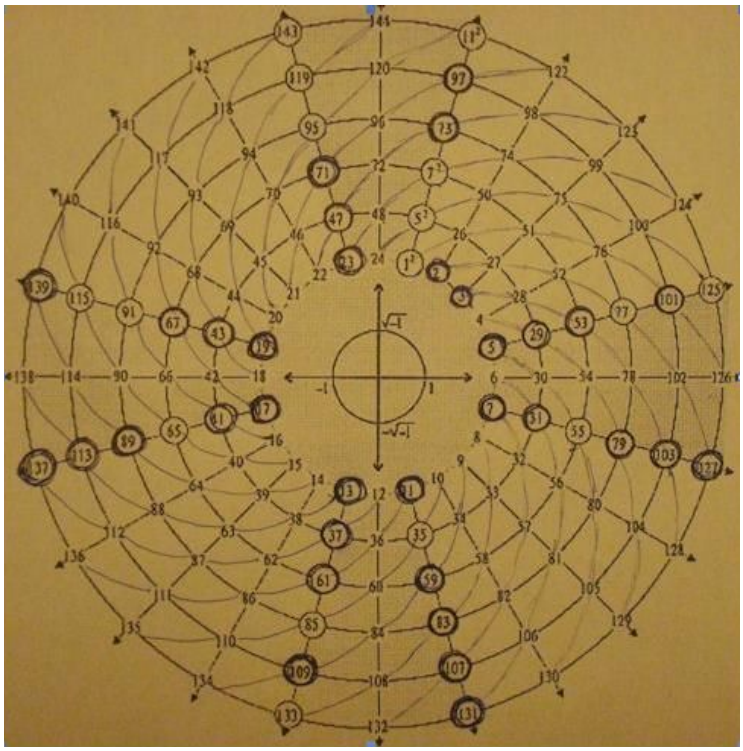


Figure 17 - Toroidal ‘S’ curves are also visibly present within the prime number cross sequence.
(Starting from the 1 position in the cross) All 'S' chains [ex: 1,26,51,76,101,126] break down into a 3,9,6 sequence going around the circle.

The last two numbers of a chain are always the first two numbers of the next. [See below]

The commencing number in the first line (18) is the same as the final number in the last line.

This pattern repeats throughout the cross, turning on every 9th chain, the reduced repeating pattern is as follows;
186429 - 30 - 3
297531 - 27 - 9
318642 - 24 - 6
429753 - 30 - 3
531864 - 27 - 9
642975 - 33 - 6
753186 - 30 - 3
864297 - 36 - 9
975318 - 33 - 6

Notice that each vertical column is counting 1-9 as it descends...however each column is offset by 3 spaces from the column before, this is the exact same spacing that was previously shown to generate a polarized torus skin using the Nexus key sequence.
Also there would appear to be another sequence that occurs by adding the first two or the last two numbers of each chain;
The first four seem to follow a 2,4,6,8 sequence. The next five follow a 1,3,5,7,9 pattern.
This is another correlation to the Nexus key sequence, which is also separated into even and odd sections, however in the Nexus key they are palindromes or “two-way mirrors”
1,7,3,5,5,3,7,1,9 8,2,6,4,4,6,2,8,9
Finally, note that there is also a constant pattern of alternating 1-4-7, 2-5-8, and 3-6-9 sequences diagonally down from right to left on the 9 chain toroidal prime cross pattern.

8. The 1-4-7, the 2-5-8, and the 3-6-9 sequences - The Bible, Numbers 7:12-89 and the Solfeggio Scale - (written by Paul Bevan)

Dr. Joseph Puleo discovered a pattern of six repeating codes he claimed he had uncovered within the bible. These he believed were encoded, appropriately enough, into the Book of Numbers, chapter 7, in verses 12 through 89.

When he deciphered these verses reducing the verse numbers to their single digit integers, the code revealed a series of six electromagnetic sound frequencies that he believed had correspondence with the six missing tones of the ancient Solfeggio scale.
The six number sequences he had arrived at were as follows:
396, 417, 528, 639, 741 and 852.

1. Ut = 396 = 9
2. Re = 417 = 3
3. Mi = 528 = 6
4. Fa = 639 = 9
5. Sol = 741 = 3
6. La = 852 = 6

Looking through this chapter, we notice that it renders 12 separate lists, each one appearing to be generally similar to the others.
Each list begins with “on the first day, on the second day” etc… then provides a list of what had been sacrificed.
By writing down the corresponding verse number each time it says “on the first/second etc day”
Then if we convert each of those verse numbers to single digits;
It renders the following pattern: 396396396 etc
We could go ahead and dismiss this as being coincidence, however he then adds that if we write down the corresponding verse number every time it says “And his offering was one silver charger” and reduce those values to single digits.
This will render the pattern 417417417417 etc
And if we follow the same principle with the next one, “One spoon of ten shekels of gold”
This contributes the pattern 528528528528 etc
This system, Puleo claims will work with every single verse in Numbers 7:12-89

These concealed number sequences Puleo discovered happen to mesh very precisely with the numerics rendered by the previously shown geometry formed by the 24 reduced Fibonacci numbers around a circle in 15 degree intervals.
The chapter itself contains riddles that express the essence of the number 24.
These sequences also reveal the interwoven 1-4-7 and 2-5-8 patterns that are deeply encoded into all of the 24 reduced Fibonacci number and Nexus key sequences that were shown above.
Could it be that we are getting a first glimpse of something which might be constructed into a possible ‘theory of everything’?

Discovering the identical reduced numeric sequences within the PRIME NUMBERS from the prime number cross would certainly encourage one to consider the possibility of this belief…

The set of whole numbers (positive or negative integers) also just happens to display this same natural three part division, when arranged into a prime number patterning.
Therefore the indivisible numbers
1, 2, 3
are representative of the primary terms of 3 different numeric sequences:
1 -> 5, 7, 11, 13, 17, 19, 23, 25, 29, 31...
(divisible by 1)
2 -> 4, 8, 10, 14, 16, 20, 22, 26, 28, 32...
(divisible by 2)
3 -> 6, 9, 12, 15, 18, 21, 24, 27, 30, 33...
(divisible by 3)

Let's take this further;
Numeric reduction of the above sequences;
1 -> 5, 7, 2, 4, 8, 1, 5, 7, 2, 4 ...
2 -> 4, 8, 1, 5, 7, 2, 4, 8, 1, 5 ...
3 -> 6, 9, 3, 6, 9, 3, 6, 9, 3, 6 …

Note the interwoven pattern of oscillation of the 1-4-7 and the 2-5-8 sequences whereas the 3-6-9 patterning remains the constant vector, the same pattern as shown before by aligning the two repeating subsets of 12 reduced Fibonacci numbers as well as the two repeating subsets of 9 Nexus key numbers. Also note that every prime number would appear in the first sequence, clearly showing that it would always reduce to either a 1, 2, 4, 8, 7, or 5..
The numbers in columns 1 and 2 added together vertically, renders the following sequence;
9,6,3,9,6,3,9,6,3,9..
The numbers in columns 1, 2, and 3 added together vertically, renders the following sequence;
6,6,6,6,6,6,6,6,6,6..
(By numeric reduction)
Also note the repeating 1-2-4-8-7-5 sequences in columns 1 and 2, arranged in a cyclic pattern, alternating counterclockwise-clockwise-counterclockwise-etc;
1, 5, 7, - 2, 4, 8, - 1, 5, 7, - 2, 4 ...
2, 4, 8, - 1, 5, 7, - 2, 4, 8, - 1, 5 ...

1=5,7,2,4,8.1,5,7,2,4
2=4,8,1,5,7,2,4,8,1,5
Notice the Red 1-2-4-8-7-5 appears to cycle in the opposite direction to the Black 1-2-4-8-7-5 in apparent chirality.

Figure 18 - Inverse reciprocal doubling circuits embedded into the list of natural numbers.

Figure 19 - This is visibly mirroring a prominent feature incorporated within Raphael's painting of 'The School Of Athens' which is shown above - the border motif on the ceiling arch is 24 fold, echoing our 24 reduced Fibonacci numbers, divided into two blocks of 12, each is represented by one of 24 'greek keys' following the same dual-cyclic modeling as the 1-2-4-8-7-5 sequences we have noted above.

Clearly, these understandings are far from new, apparently they have been well known in certain circles for a good length of time.

The interwoven form of the Greek Key is noted here to be implicit within our embedded 1,2,4,8,7,5 sequencing of the three orders of prime numbers.

This prime number patterning displays the same doubling circuit numbers that Marko Rodin happened upon and we note in our 24 reduced Fibonacci numbers, the 18 digit Nexus key sequence, and within Pascal's triangle.

Here we see a gold patterning of dual circuits where the 1-2-4-8-7-5 sequence runs in chirality with itself. One sequence beginning on the bottom line and moving upwards to the next, working to the right, and the other following it, moving downwards and to the right in mirror-fashion to the first. Two interwoven doubling circuits.

1 – 1 2 – 5 4 – 7 8 – 8 7 – 4 5 – 2.

Note: It would be much easier for you to see the gold doubling circuits embedded into the arch with alternating pattern counterclockwise, clockwise, counterclockwise, etc. if you pull up a high resolution image of the famous painting online. You will also notice that Plato, depicted in the center, is pointing directly up towards the arch above. There is also a small Tetractys on the chalkboard at the bottom of the painting in high resolution.

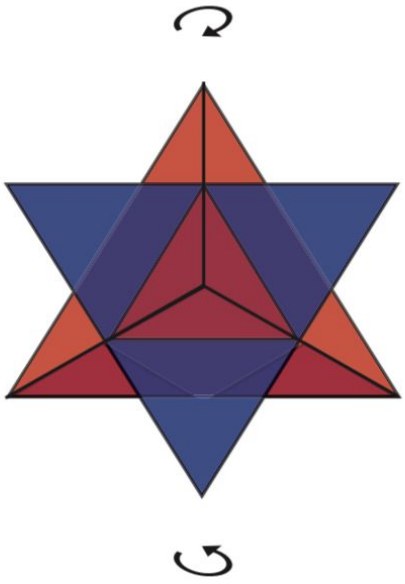
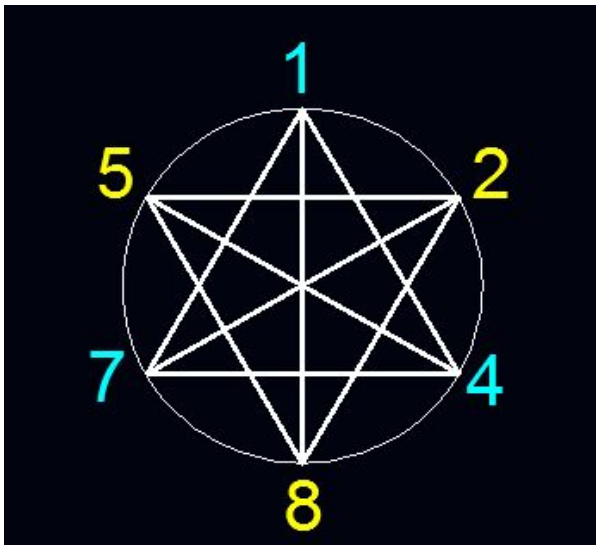


Figure 20 - The star tetrahedron is known to behave in a similar fashion to these interwoven doubling circuits. The downward pointing blue tetrahedron (female) spins counterclockwise, while the upward pointing red tetrahedron (male) spins clockwise.

Figure 21 - The star tetrahedron has a ninth point at its center which is defined by the 8 points around it. If the star tetrahedron was spinning as described before on a point to point axis, it would have 6 points rotating around the center at the effect of 2 polar points, so 1 point is the invisible center, 2 points are polar points on an axis as a result of the spin, and 6 points are rotating around the center.
The number nine is the self-similar center.
The numbers 3 and 6 are the primary polarity that create the duality/ the spin/ the opposite poles.
The numbers 1,2,4,8,7,5 are the six numbers that are moving about the central axis, relative to the 3,6 and 9.. the 2 poles and the central 9.
The mirror numbers oppose each other at the further most extremes from each other, 1 in opposition to 8, 2 in opposition to 7, and 4 in opposition to 5.



The two interlaced Tetrahedrons, if pulled apart, would have the numbers 1,4,7 on one tetrahedron and 2,5,8 on the other, along with 3 and 6 on the points of rotation. It will soon be shown how these three number sequences (1-4-7, 2-5-8, 3-6-9) are directly correlated to the number 37 and the manifestation of the ancient solfeggio frequencies.

9. Fibonacci ‘Octaves’

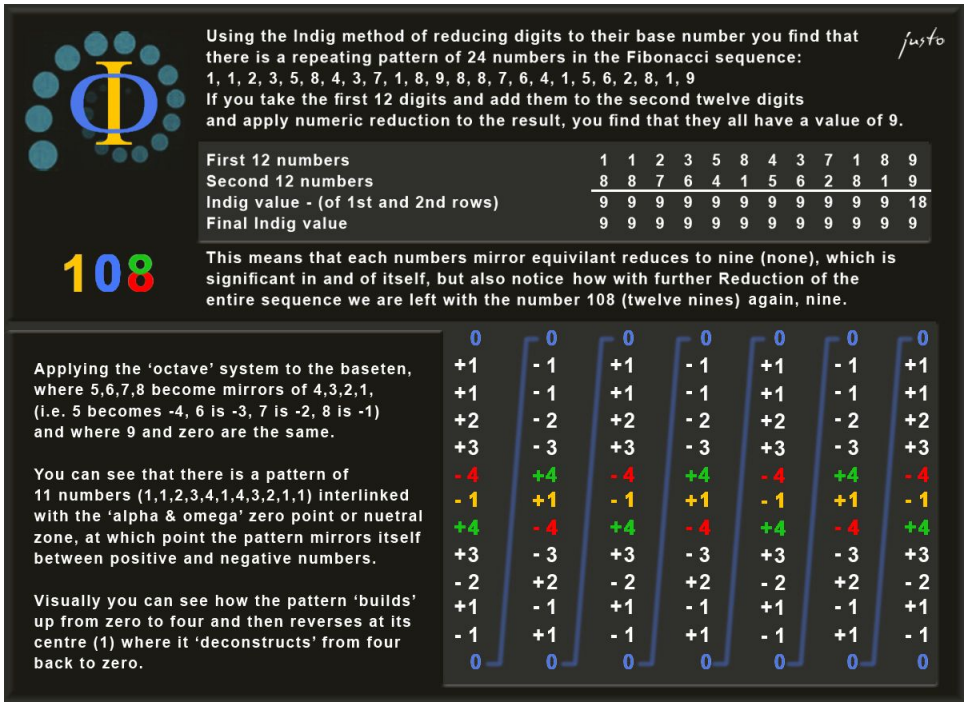

Using the Indig method of reducing digits to their base number you find that there is a repeating pattern of 24 numbers in the Fibonacci sequence:
1, 1, 2, 3, 5, 8, 4, 3, 7, 1, 8, 9, 8, 8, 7, 6, 4, 1, 5, 6, 2, 8, 1, 9
If you take the first 12 digits and add them to the second twelve digits
and apply numeric reduction to the result, you find that they all have a value of 9.
First 12 numbers 1 1 2 3 5 8 4 3 7 1 8 9
Second 12 numbers 8 8 7 6 4 1 5 6 2 8 1 9
Indig value - (of 1st and 2nd rows) 9 9 9 9 9 9 9 9 9 9 9 18
Final Indig value 9 9 9 9 9 9 9 9 9 9 9 9
108
This means that each numbers mirror equivilant reduces to nine (none), which is significant in and of itself, but also notice how with further Reduction of the entire sequence we are left with the number 108 (twelve nines) again, nine.
Applying the ‘octave’ system to the baseten, where 5,6,7,8 become mirrors of 4,3,2,1, (i.e. 5 becomes -4, 6 is -3, 7 is -2, 8 is -1) and where 9 and zero are the same.
You can see that there is a pattern of 11 numbers (1,1,2,3,4,1,4,3,2,1,1) interlinked with the ‘alpha & omega’ zero point or nuetral zone, at which point the pattern mirrors itself between positive and negative numbers.
Visually you can see how the pattern ‘builds’ up from zero to four and then reverses at its centre (1) where it ‘deconstructs’ from four back to zero.
0 +1 +1 +2 +3 -4 -1 +4 +3 -2 +1 -1 0
0 -1 -1 -2 -3 +4 +1 -4 -3 +2 -1 +1 0
0 +1 +1 +2 +3 -4 -1 +4 +3 -2 +1 -1 0
0 -1 -1 -2 -3 +4 +1 -4 -3 +2 -1 +1 0
0 +1 +1 +2 +3 -4 -1 +4 +3 -2 +1 -1 0
0 -1 -1 -2 -3 +4 +1 -4 -3 +2 -1 +1 0
0 +1 +1 +2 +3 -4 -1 +4 +3 -2 +1 -1 0

Figure 22 - As we have seen, if you take the first 12 digits of the 24 reduced numbers of the Fibonacci sequence and add them to the second 12 digits, applying numeric reduction to the result you will find that they all have a value of 9.
This means that each numbers mirror equivalent reduces to nine, which is significant in and of itself, but also notice how with further reduction of the entire sequence we are left with the number 108 (twelve nines) again, reduces to nine.

Applying the ‘octave’ system to base ten, where 5,6,7,8 become mirrors of 4,3,2,1, (i.e. 5 becomes -4, 6 is -3, 7 is -2, 8 is -1) and where 9 and zero are the same.
You can see that there is a pattern of 11 numbers (1,1,2,3,4,1,4,3,2,1,1) interlinked with the zero point or neutral zone, at which the pattern mirrors itself between positive and negative numbers.

Applying the ‘octave’ system to the 24 reduced numbers transforms the sequence into a numerical palindrome, just like the previously shown Nexus key sequence.
Visually you can see how the pattern ‘builds’ up from zero to four and then reverses at its center (1) where it ‘deconstructs’ from 4 back to zero.

Recognize that pattern? Embedded into the 24 reduced Fibonacci numbers is the mirrored construction/deconstruction of a dual Tetractys or Star Tetrahedron; +1+2+3-4 mirrored with -1-2-3+4, etc.

10. The Tetractys

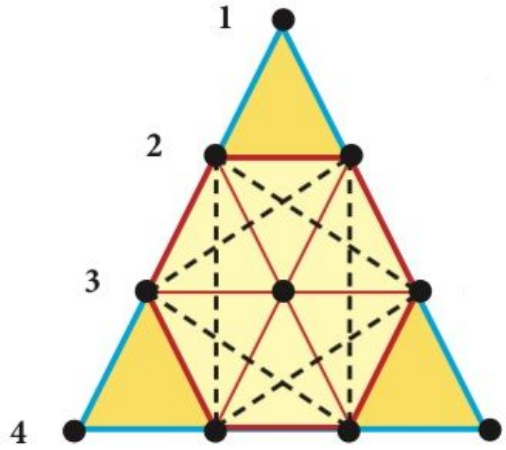


Figure 23 - It is known that in Ancient Greece, a famous metaphysicist named Pythagoras worshipped a particular shape called the Tetractys. He and his followers believed it to symbolize everything that is perfect about the Universe.

The Tetractys is an equilateral triangle with 10 interconnected points across exactly four layers. The Pythagoreans believed that this basic shape of nature reveals doorways to the most profound mathematical principles of the Universe.

As we have seen, the 24 reduced Fibonacci number pattern is related to the number 9.. “which happens to be the number of triangles in the Tetractys found in the Flower of life.

The Tetractys also contains another key number related to the golden ratio.
The number of points could give the number of vertices of a regular polygon.
Within the Tetractys, the polygons built are the triangle (1+2=3), the square (1+3=4), the pentagon (1+4=5 or 2+3=5), the hexagon (4+2=1+2+3=6), the heptagon, the octagon, the nonagon and finally the decagon (1+2+3+4=10).
The decagon is the stage of completeness as the number 10 is also closely related to the golden ratio.
If we consider these regular polygons of unit edge length 1. Then, the circumradius of the decagon is exactly equal to the golden ratio phi 1.618.

The decagon can be built with two pentagons interlocked. Then, the pentagon having 5 vertices is the polygon related to the golden ratio, the Divine proportion.”

$(1 + \sqrt{5}) / 2 = 1.6180339\ldots = \Phi$
Phi can also be expressed in all fives as: 5 ^ .5 * .5 + .5 = Φ

“This geometry; The Tetractys, an equilateral triangle from which any geometric pattern is generated, is made of 9 smallest equilateral triangles and it can be found in the flower of life. The rows can be read as the ratios of 4:3 (perfect fourth), 3:2 (perfect fifth), 2:1 (octave), forming the basic intervals of the Pythagorean scales.” - Salah Gherbi

24 reduced Fibonacci numbers
1 1 2 3 5 8 4 3 7 1 8 9
8 8 7 6 4 1 5 6 2 8 1 9

24 reduced Fibonacci numbers with ‘octave’ system
+1 +1 +2 +3 -4 -1 +4 +3 -2 +1 -1 0
-1 -1 -2 -3 +4 +1 -4 -3 +2 -1 +1 0

Notice the mirrored construction/deconstruction of a dual Tetractys; +1+2+3-4 mirrored with -1-2-3+4, on the other side the 4 and the 2 swap signs; +4+3-2+1 mirrored with -4-3+2-1.

The same mirrored dual Tetractys pattern is also embedded into the 18 digit Nexus key when using 2 identical strings of digits in a similar fashion to the 24 reduced numbers…

18 digit Nexus key
1 7 3 5 5 3 7 1 9
8 2 6 4 4 6 2 8 9

18 digit Nexus key with ‘octave’ system
+1 -2 +3 -4 -4 +3 -2 +1 0
-1 +2 -3 +4 +4 -3 +2 -1 0

This mirrored dual tetractys pattern is more neatly organized, containing interwoven alternating positive and negative values throughout the sequence. It is interesting to note that in the top row the odd numbers are positive and the evens are negative, while in the bottom row the odd numbers are negative and the evens are positive. Lastly, both rows are numerical palindromes, just like in the original Nexus key sequence and in the 24 reduced Fibonacci numbers with the ‘octave’ system applied to base ten.

“Numbers are instructions that are given to our manifest three dimensional world through the spiritual plane and geometry can be seen as one expression of these numbers as they take form through our multidimensional landscape”. - Salah Gherbi

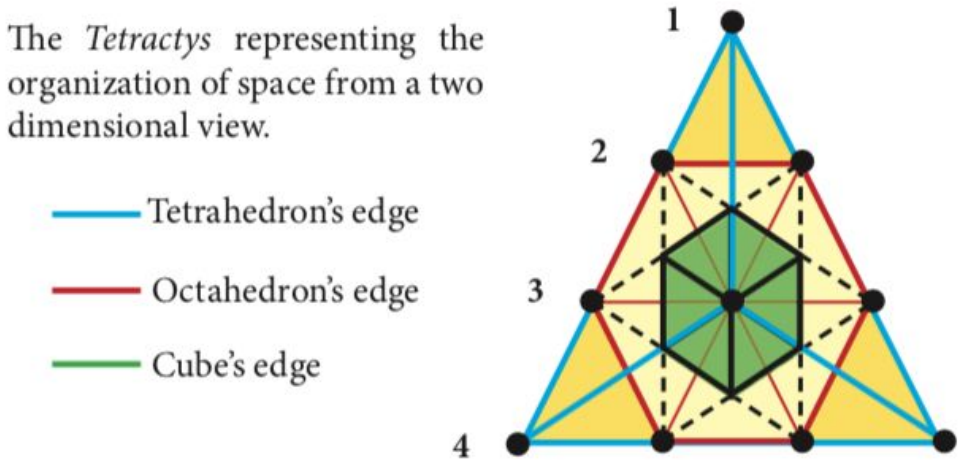


Figure 24 - “The Tetractys is the foundation stone of the Divine Architecture. It held an important mystical meaning to the Pythagoreans who considered it as the base of the structure of the universe in terms of arithmetic, music and geometry.
The first Platonic solid to appear in the Tetractys is the projection of the tetrahedron shown in light blue. The red hexagon represents the projection of the octahedron with the green cube projected inside
The Tetractys means literally “the number four” and is a triangle composed of 10 points rising upwards, arranged in four rows. The number ten is mathematically known as the fourth “triangular number” with rows of one, two, three and four points.
Each row has an important meaning and brings forward an understanding of the connection between the innermost and the outermost.

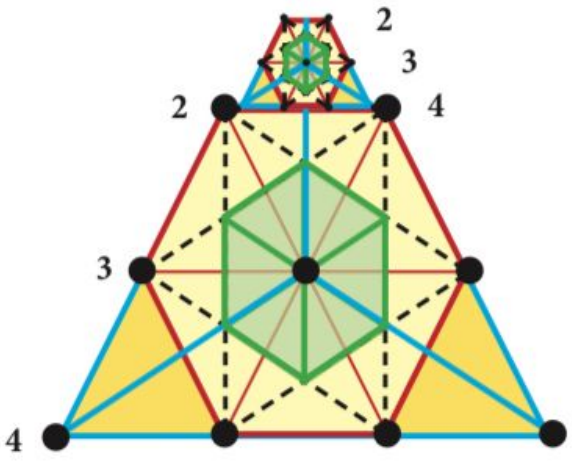


Figure 25 - The first harmonic number encoded in the Tetractys is 432, a cosmic code which can be read from the base to the 2nd row, the top of a step pyramid, such as the ones found in central America, Egypt and China.

These pyramids come from the geometry of the Tetractys. A second Tetractys is placed on the top of the first as a fractal forming the second step. The numerical sequence 432 432 ... rises from the base upwards. This is a very important number when tuning instruments to resonate with consciousness.

From planetary systems to atoms, everything surrounding us is an embodiment of perfect harmony created by numbers, referred to in music as “Harmonics”.

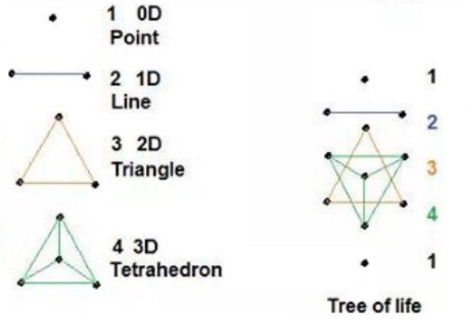
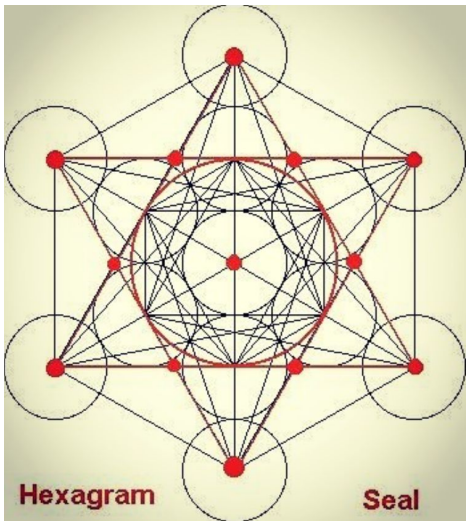


Figure 26 - The Tetractys, representing the organization of space from a two dimensional point of view.

First row: From a single original point everything is created and brought into existence from nothingness. This could be considered as a state of awareness to that which is about to manifest into creation.
Second row: From a single point two further points are generated defining the first dimension. The possibility of going from one point to another brings the idea of motion into consciousness.
Third row: A line drawn between these three dots defines the second dimension. Structure is formed into consciousness with the possibility of quantification and measurement.
Fourth row: A line drawn between these four dots defines the third dimension where geometry takes form. From this row of the Tetractys all regular polygons can be generated".

- Salah Gherbi in 'The Etheric Particle 216'



These four dimensions would also derive the tree of life symbol in two dimensions, as shown. This number sequence (1,2,3,4,1) was previously revealed to be encoded into the 24 reduced Fibonacci numbers with the 'octave' system applied to base ten.

Figure 27 - As mentioned before, here we see a star tetrahedron or dual-tetractys embedded into the center of 'metatron's cube' aka a symmetric pattern where every circle center connects to every other center. This shape has historically resembled the sacred geometrical origin to our universe's creation because it derives the 'tree of life' as well as the 5 platonic shapes.

The Metatron is a reference to the highest Sephirot of the Kabbalah tree of life at Kether or the crown. The Metatron is also equated with Thoth or Hermes; author of the Emerald Tablets of Thoth, as well as the merge of electromagnetic polarities at the 'Zero Point'.
The tetrahedron is the first manifested polyhedra, believed by Plato to be the element of fire.
In our Fibonacci circle, it is generated by the interaction of the triangular configuration formed by the 3,6,9 pattern.
The tetrahedron is held to self-replicate into a star tetrahedron, as a primary manifestation of duality. In the instance of this example, this means that it drops below and forms another tetrahedron from the remaining 3,6,9. The vertices of this star tetrahedron can now supply all the points of manifestation of the next two solids, the cube and the Octahedron, a pairing of solids which manifest congruently with each other.

11. The Dimensions of Spacetime in String Theory and the Fibonacci Spiral

Dim	0,56	0,9	1,46	2,36	3,82	6,18	10	16,18	26,18	42,36	68,54	110,9
Dim (int)	1	1	2	2	4	6	10	16	26	42	68	111 (110)
Calcul	$10\phi^6$	$10\phi^5$	$10\phi^4$	$10\phi^3$	$10\phi^2$	10ϕ	10	10φ	$10\varphi^2$	$10\varphi^3$	$10\varphi^4$	$10\varphi^5$

With :
$\varphi = 1{,}618$
$\phi = 1/\varphi = 0{,}618$

Figure 28 - As I will soon explain in great detail, the dimensions of space-time is a repeating sequence of integers very similar to the Fibonacci sequence:
1 1 2 2 4 6 10 16 26 42 68 111
This sequence is actually double or an 'octave' of Fibonacci numbers:
1 1 2 3 5 8 13 21 34 55
which is the approximation of the golden spiral.
The only difference is the last integer, which is not 110, but 111.

“In the universal consciousness, numbers (frequency) and geometry are the same language.
The Spiral is a geometric pattern.
Can we really make a connection with the other language, frequency?

The dimensionality of space-time plays a paramount role in the theoretical physics of unification and has led to the introduction of the 26 dimensions of string theory, the 10 dimensions of superstring theory, and finally the heterotic string theory with the dimensional hierarchy 4, 6, 10, 16 and 26.

In that sequence, the dimensions 4, 6, 10, 16 and 26 are present. The higher dimensions haven’t been necessarily discussed in the mainstream science yet.
In addition, in the heterotic string theory this value [26] has another meaning; as the inverse couplings constant of super-symmetric unification of all fundamental forces known to Physics.

By introducing the golden ratio 1.618 as being the connector for all the dimensions, it would result the natural sequence of the dimensions of space-time, and then the higher dimensions. The decagon, having a circumradius equal to the golden ratio φ; nature is paying attention to the number 10. It was the beginning of the trail.

One of the most promising attempts to go beyond the standard model of particle physics is string theory. String theory holds that all elementary particles are nothing but the different modes of string vibrations. String vibration can be interpreted as a certain tension or pressure applied on any string instruments such as guitar, harp, piano, and violin.

Then, it is natural to observe the universe as the result of the music played with various vibrations, the whole connected in resonance." - Salah Gherbi

Now E-Infinity theory claims to go one step further and depicts these strings to have a fine structure, more precisely it conceives these strings as being made of a hyperbolic fractal of Cantor sets. Seen from afar, the sizzling Cantor sets appear as if they were the violent movement of superstrings, and these strings seen from farther appear as if they were particles.

El Naschie holds that all what we observe in nature is a manifestation of the true transfinite, hyperbolic fractal structure of quantum spacetime underpinning it.

The vibration is understood as a sizzling violent movement of the transfinite, hyperbolic fractal of cantor sets, simulating the zero point fluctuations of the totally empty vacuum of spacetime.

Ripples on the ponds still surface. That is all our perceived reality is.
The still pond is the cause, while the wavy ripples are the effects that our senses detect.

Every observable form of matter is a disturbance to stillness, caused by a pulsing/thinking Mind.
The disturbance manifests as a sequential wave-motion of frames/pulses, in which our sensing is programmed to detect and interpret.

If the universe of motion could be slowed down, the secret of the illusion would become obvious.
The individual frames/pulses of a thinking mind would be revealed.

But when those frames/pulses are run at 186,282 miles per second, our senses detect a solid, materialistic world.

This means that all matter and energy manifestations in our cosmos are essentially a manifestation of the zero point energy of the totally empty vacuum of spacetime.
This amounts to a paradigm shift in physics where the totally empty vacuum of spacetime is taken as fundamental and everything else is derivable from it.

12. The Fractal Dimensions of Spacetime in String Theory

We are now going to explore more about the Tetractys and Prof. Mohamed El Naschie's E-Infinity theory which has information about how the structure of spacetime is related to the fine structure constant; nature's fundamental physical constant.

It's value (which I have previously shown to be $1/20\varphi^4$) is approximately the inverse of the number 137, $\alpha \approx 1/137$.

This new theory mathematically connects the theoretically exact value of the fine structure constant to the generation of the values of all of the dimensions of spacetime by the means of an infinite-dimensional hierarchical cantor set.

"Although it has been characterized as the strength of the electromagnetic interaction between elementary charged particles, if one considers that the universe is connected, and not separated, one could ask if the number 137 would be inherent to space-time?
Is there another way to figure out the number 137 through Geometry?
The flower of life would have this information through the fundamental grid, the Tetractys made of 9 triangles. As you can see above, the Tetractys generates the number 1234. The image also shows how the zero points are spatially distributed so as to form triangles. 1234 / 9 = 137.11111…
As we have seen, the number 9 is an important number playing a role with the golden ratio 1.618. The golden ratio is the number related to the spiral, blueprint left by the Divine Consciousness and found everywhere in nature.
As we have seen as well, the circumradius of the decagon is equal to the golden ratio, suggesting that the number 10 (also the sum of the numbers in the sequence 1234=10) is an important number in the structure of space-time.

It has been shown that the golden ratio is the factor which would connect all of the dimensions of spacetime together, and opens the door to the fractal quantum world.
The golden ratio is consequently the number supporting the nature of a connected Universe, and its geometric pattern is the spiral.
The number 10 shows a certain symmetry in the dimensions of space-time, around which the golden ratio would generate all the dimensions connecting each other.
The number 10 gives the information about the number of dimensions of space-time, and the number 9 gives the information about how the zero-points are spatially distributed, or how spacetime is structured.

The structured grid is the Tetractys, starting with a triangle (3), and gradually appears the hexagon (6) inscribed in a circle, and a bigger triangle (9) which would be the nonagon in the sequence 369 (triangle-> hexagon-> nonagon)." - Salah Gherbi

Lastly, the golden ratio could be approximated by the irrational number 1.62, itself is reduced to 9 (1+6+2=9).
This is also the total angle of the Tetractys.
As we know, the sum of the angles in a triangle is 180 degrees. The Tetractys having 9 triangles, it obtains 1620°.

Dim	0,56	0,9	1,46	2,36	3,82	6,18	10	16,18	26,18	42,36	68,54	110,9
Dim (int)	1	1	2	2	4	6	10	16	26	42	68	111 (110)
Calcul	$10\phi^6$	$10\phi^5$	$10\phi^4$	$10\phi^3$	$10\phi^2$	10ϕ	10	10φ	$10\varphi^2$	$10\varphi^3$	$10\varphi^4$	$10\varphi^5$

With :
φ = 1,618
ϕ = 1/φ = 0,618

Figure 28 - The dimensions and their values have been listed in the table. The values have been calculated with the golden ratio and its inverse starting from 10 by multiplying it outwards. This generates a Fibonacci-like sequence;

The base dimension, D(0), has integer value 1, is 10/φ^6. This value is Immirizi's entanglement of three quantum particles (1/φ^6), scaled to a magnitude of 10. This value was used to calculate the theoretically exact ratio of atoms to dark matter and dark energy in our current universe. These results are perfectly aligned with cosmological measurements that were awarded the 2011 Nobel Prize in Physics.

The first dimension, D(1) also integer value 1, is 10/φ^5. This value is Hardy's entanglement of two quantum particles (1/φ^5), also scaled to a magnitude of 10. (1/φ^5) is often referred to as 'k/2', or the 'fractal-correction' ratio for all of the other dimensions from their respective integer values. It has been previously expressed as a continued fraction expansion of the number 11. This value is also in the core of Fractal M-Theory as well as El Naschie's Quantum Gravity Energy-Mass Equation, which have been previously shown.

The second dimension has integer value 2, and is 10/φ^4. This dimension is constructed by adding the previous two dimensions together. All of the remaining dimensions are constructed in the same manner, resulting in a hierarchical sequence that is an octave (doubling) of the Fibonacci numbers. This dimension, 10/φ^4 is exactly 200 times the fine structure constant, which is 1/20φ^4.

The third dimension, also integer value 2, is 10/φ^3. This value is the added 'fractal dimension' of real-space in E-Infinity theory (1/φ^3), scaled to a magnitude of 10. The dimensions of real-space in E-Infinity are 4+(1/φ^3)=φ^3. This added value can also be expressed as a continued fraction expansion of the number 4.

For dimensions 4-8 the integer values are 4, 6, 10, 16, 26, the Heterotic string dimensions. Their calculated values are respectively 10/φ^2, 10/φ, 10, 10φ, 10φ^2. The last value (26) is generally understood in quantum gravity and El Naschie's theory to be the inverse of the couplings constant of supersymmetric unification of all 5 fundamental forces known to current Physics.

The ninth dimension has integer value 42, and is 10φ^3. This value is generally understood in quantum gravity and El Naschie's theory, as shown in previous posts, to be the inverse of the couplings constant of non-supersymmetric unification of all 5 fundamental forces. This value is exactly 10 times the dimensions of real-space in E-Infinity theory. The dimensions of real-space in E-Infinity are 4+(1/φ^3)=φ^3.

The tenth dimension has integer value 68, and is 10φ^4. This value is exactly half of the inverse of the fine structure constant, which is 20φ^4.

Finally, the eleventh dimension, D(11), has integer value 111, and is 10φ^5. φ^5=11+k=11+1/φ^5, therefore this dimension can also be expressed as 110+5k or 10(11+1/10(D(1)))=110+10D(1). This implies an infinite repeating, fractal nature to these dimensions.

E-Infinity theory is what explains the inherent repeating, fractal nature of spacetime. El Naschie has modeled the universe as an infinite-dimensional hierarchical cantor set.
"Physically empty space with no matter, virtual particles or radiation what so ever is still far from being nothing. Empty spacetime in the above sense is a sophisticated layered hierarchy of empty sets. A point in such space is by no means the classical point defined somewhat naively as the intersection of two lines.
In fact a proper spacetime, which satisfies the physical quantum reality, is a points-less spacetime with geometry and topology akin to that of von Neumann's continuous geometry as well as A. Conne's noncommutative geometry apart from the arch typical point-less space of E-infinity Cantorian spacetime. In such Cantorian-fractal geometry what appears to be a point is in actuality an entire Cantor set when magnified by sharpening the resolution of observation. Combining the preceding fundamental insights gained from applying transfinite set theory and fractals to spacetime geometry with a fundamental theorem due to Aryeh Dvoretzky about measure concentration, we can argue that only 4.5 percent of the information inside a black hole could be regarded as inaccessible while the rest of the 95.5 percent of the information remains on the surface of the black hole no matter how much it shrinks because in the end analysis, spacetime has no ordinary points and no matter how small such points are, they are not zero nor can they vanish into nothingness because empty spacetime is anything but nothing. In fact empty spacetime is a multi-fractal made of infinitely many empty sets with varying degrees of emptiness. To make a long, in fact very long story short, we start our journey to the exact picture of our physico-mathematical spacetime from the previously shown bijection formula
D(n) = Φ^(n-1)
corresponding to von Neumann-Conne's dimensional function of Penrose foliated universe, i.e. Penrose tiling. This is necessarily a fractal universe resembling a compactified holographic boundary, i.e. compactified Klein modular curve for a transfinite E8E8 Lie exceptional symmetry groups constituting our bulk. This boundary is obviously a one sided boundary with nothing outside to push back to create a statical balance.

It is a Möbius-like multi-dimensional boundary and consequently the universe must expand into the insubstantial nothingness surrounding our universe which is a clopen (which means open and closed topologically) and an infinite replication of its own self.
Considering that this E-infinity universe has formally infinite dimensions, we see that the Dvoretzky theorem will apply and thus 95.5% of the energy of this universe will be concentrated at the edge of the universe.
Consequently, the difference between the Casimir energy and dark energy is the difference between local and global as well as two sided and one sided boundary conditions.
Let us examine the implicit assumptions in our previous exposition leading to the realization that dark energy is the energy of the quantum wave concentrated at the surface of the quantum particle. This was obtained using a model which de facto assumes that spacetime is a point-less and self-referential fractal Cantorian ultimate L-like topological manifold where each point upon magnification reveals itself as an entire Cantor set, ergo an entire universe.
Thus our complete universe is a gigantic black hole in which we are peacefully living.
Each point in this universe could be regarded as a quasi-black hole seen from our end and there are of course “medium” sized black holes seen again from our viewpoint as observer but self-similarity or more accurately self-affinity implies that these are again complete universes inside our universe seen again from our position as observer living in the gigantic black hole and so on ad infinitum. In short, the complexity of the situation uses the in-built self referentiality of Cantorian fractals. That way infinity and zero are used and eliminated at the same time without getting entangled in computational or logical inconsistency.” - Prof. Mohamed El Naschie
It has previously been shown that it is possible to generate the exact values of all of these dimensions by an incredible hierarchical sequence of cantor sets that are scaled in proportion to the inverse of the fine structure constant [α^-1=137.082039=20φ^4] the full sequence is shown below;
α^-1/(2) = 68+3k = 10φ^4
α^-1/(2φ) = 42+2k = 10φ^3
α^-1/(2φ^2) = 26+k = 10φ^2
α^-1/(2φ^3) = 16+k = 10φ
α^-1/(2φ^4) = 10
α^-1/(2φ^5) = 6+k = 10/φ
α^-1/(2φ^6) = 4-k = 10/φ^2
α^-1/(2φ^7) = 2+2k = 10/φ^3
α^-1/(2φ^8) = 2-3k = 10/φ^4
α^-1/(2φ^9) = 5k = 10/φ^5
α^-1/(2φ^10) = D(0) = 10/φ^6
Where k = 2/φ^5 = (1/φ^3)(1-(1/φ^3))
The dimensions of spacetime, as well as their fractal-correction ratios, are clearly organized into a dual hierarchy with mirrored ascending symmetry around the number 10; the same sequence that is found in the Tetractys (1234) is embedded into E-infinity theory, revealed through the hierarchical sequence of cantor sets that are scaled in proportion to the inverse of the fine structure constant and the powers of the golden ratio.

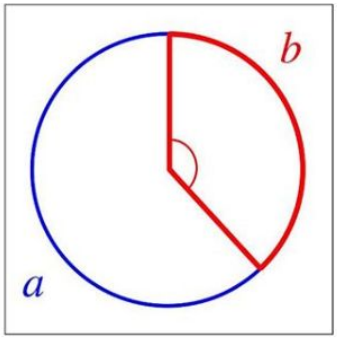
This embedded sequence (-4,-3,-2,-1,0,+1,+2,+3,+4) is remarkably similar, but in a mirrored fashion, to the sequence that was previously revealed to be encoded into the 24 reduced Fibonacci numbers with the ‘octave’ system applied to base ten, however visually you can see how this time, the star tetrahedron or dual-tetractys pattern that is embedded into the hierarchical sequence of cantor sets in E-Infinity ‘deconstructs’ a negative tetractys down to zero from four and then reverses at its center (zero) where it ‘builds’ a positive tetractys from zero back to four.

Dim	1,46	2,36	3,82	6,18	10	16,18	26,18	42,36	68,54
Dim (int)	2	2	4	6	10	16	26	42	68
Diff	2-1,46= 0,54	0,36	0,18	0,18	0	0,18	0,18	0,36	0,54
Calcul	$6\phi^5$	$4\phi^5$	$2\phi^5$	$2\phi^5$	0	$2\phi^5$	$2\phi^5$	$4\phi^5$	$6\phi^5$

The octave of the values of the previous table :

Dim	2,92	4,72	7,64	12,36	20	32,36	52,36	84,72	**137,08**
Dim (int)	3	5	8	12	20	32	52	85	137

Figure 29 - To come back to the number 137, it would be inherent to spacetime, as it is exactly the octave of D(10), with integer value 68, carefully calculated with the golden ratio.
Notice that the difference of the numbers calculated with their corresponding integer number, which is essentially an integer multiple of 'k', is a multiple of 9, and there is a hierarchical symmetry around the perfect number 10.



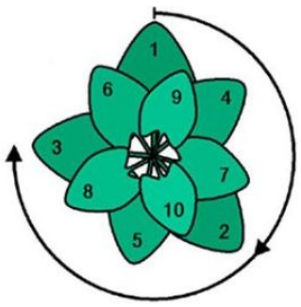
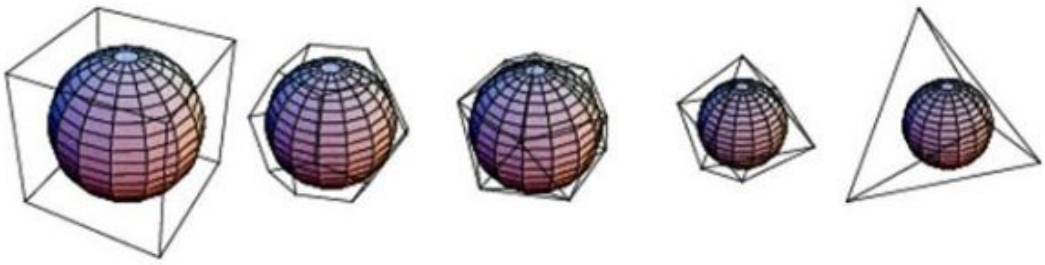


Figure 30 - The number 137 is also the value of the golden angle found in Nature. The golden angle is the angle subtended by the smaller (red) arc when two arcs that make up a circle are in the golden ratio.

The golden angle is equal to 360/φ^2= (60/φ)^2, giving 137.51.

The angle between successive florets in many flowers is the golden angle.



Dim	1,8	2,92	4,72	7,64	12,36	20	32,36	52,36	84,72	137,08	221,8
Dim (int)	2	3	5	8	12	20	32	52	85	137	222
Calcul	$20\phi^5$	$20\phi^4$	$20\phi^3$	$20\phi^2$	$20\,\phi$	20	$20\,\varphi$	$20\varphi^2$	$20\varphi^3$	$20\varphi^4$	$10\varphi^5$
Inradius	1,8	2,92	4,72	7,63	12,35	19,99	32,33	52,32	84,65	136,96	221,6
Edge length	φ	φ^2	φ^3	φ^4	φ^5	φ^6	φ^7	φ^8	φ^9	φ^{10}	φ^{11}

Figure 31 - The volume of the dodecahedron is also equal to 137.51 if its edge length is equal to the square of the golden ratio φ^2, which is actually the radius of its insphere when the edge length of the dodecahedron is equal to the unit 1. The inspheres of the Platonic solids are depicted above.

The inradius of the dodecahedron has approximately the same values of the dimensions of spacetime;

The values of the inradius of the dodecahedron for a value of the edge length equal to the golden ratio power to {1-11} and the comparison with the first values calculated previously are listed in the table above.

137 (4^2 + 11^2) is the 33rd Prime number.

Since the early 1900s, physicists have postulated that the number could lay at the heart of a grand unified theory, relating theories of electromagnetism, quantum mechanics and, especially, gravity.

Physicist Leon M. Lederman numbered his home near Fermilab 137 based on the significance of the number to those in his profession. Lederman expounded on the significance of the number in his book The God Particle: If the Universe Is the Answer, What Is the Question?, noting that not only was it the inverse of the fine-structure constant, but was also related to the probability that an electron will emit or absorb a photon—i.e., Feynman's conjecture.

He added that it also "contains the crux of electromagnetism (the electron), relativity (the velocity of light), and quantum theory (Planck's constant). It would be less unsettling if the relationship between all these important concepts turned out to be one or three or maybe a multiple of pi. But 137?" The number 137, according to Lederman, "shows up naked all over the place," meaning that scientists on any planet in the universe using whatever units they have for charge or speed, and whatever their version of Planck's constant may be, will all come up with 137, because it is a pure number.

"It has been a mystery ever since it was discovered more than fifty years ago, and all good theoretical physicists put this number up on their wall and worry about it. Immediately you would like to know where this number for a coupling comes from: is it related to π or perhaps to the base of natural logarithms? Nobody knows. It's one of the greatest damn mysteries of physics: a magic number that comes to us with no understanding by man. You might say the "hand of God" wrote that number, and "we don't know how He pushed his pencil." We know what kind of a dance to do experimentally to measure this number very accurately, but we don't know what kind of dance to do on the computer to make this number come out, without putting it in secretly." - Richard Feynman

"If alpha [the fine structure constant] were bigger than it really is, we should not be able to distinguish matter from ether [the vacuum, nothingness], and our task to disentangle the natural laws would be hopelessly difficult. The fact however that alpha has just its value 1/137 is certainly no chance but itself a law of nature. It is clear that the explanation of this number must be the central problem of natural philosophy." -Max Born, Arthur I. Miller

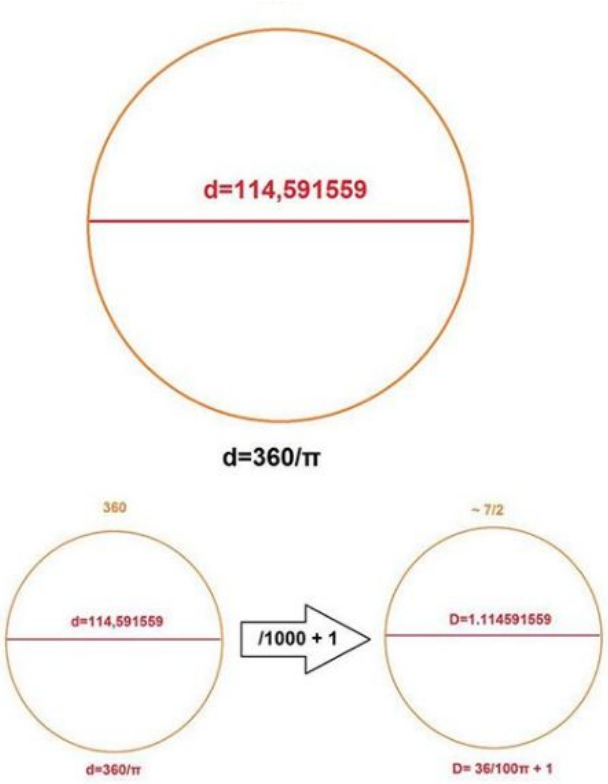


Figure 32 - The Infinite Circle

In this section, the circle will be discussed and it will be shown how it is possible to calculate the dimensions of spacetime through its parameters.

From the circle, the dimensions of spacetime can be calculated with the golden ratio 1.618, its circumference and diameter.

The circumference of a circle is the length of the 360 degree arc of that circle.

As we know that the circumference of a 360 degree arc is 2πr, where r is the length of the radius, we can calculate its corresponding diameter D;

360=2πr, 2r=D
2(360)=2π(2r)
720=2πD
360/π=D

If we divide the diameter of the circle by 1000, adding 1, it results 1.1146, which is approximately the octave of 0.55728, which is D(0).

The exact result : 1.11459156
Half octave : 0.55729578

Dim	0,56	0,9	1,46	2,36	3,82	6,18	10	16,18	26,18	42,36	68,54	110,9
Dim (int)	1	1	2	2	4	6	10	16	26	42	68	111
Calcul (x 0.5)	D	$D\varphi$	$D\varphi^2$	$D\varphi^3$	$D\varphi^4$	$D\varphi^5$	$D\varphi^6$	$D\varphi^7$	$D\varphi^8$	$D\varphi^9$	$D\varphi^{10}$	$D\varphi^{11}$
Δ10	0	10	20	30	40	50	60	70	80	90	100	110

Dim	0,56	0,9	1,46	2,36	3,82	6,18	10	16,18	26,18	42,36	68,54	110,9
Dim (int)	1	1	2	2	4	6	10	16	26	42	68	111 (110)
Calcul	$10\phi^6$	$10\phi^5$	$10\phi^4$	$10\phi^3$	$10\phi^2$	10ϕ	10	10φ	$10\varphi^2$	$10\varphi^3$	$10\varphi^4$	$10\varphi^5$

With :
φ = 1,618
$\phi = 1/\varphi = 0{,}618$
Accurate value : 1,61803399

Figure 33 - This value is very close to the inverse of the golden ratio (1/Phi = 0.618) power of 6, multiplied by 10. There's only a difference of 10 to the power of -5 between these two values.

With the parameter of the unit circle D, its diameter D on the scale 1/1000 added to 1; the close values for the dimensions of spacetime have also been listed in the first table above.

The dimensions of spacetime are correlated to the diameter of the corresponding 'close-packed' circle by a scaled hierarchical golden mean based number system shown in the second table above. These dimensions are correlated to the diameter of the golden spiral at set levels of hierarchical factor growth that are dictated by the universe/nature itself.

This method allows the reader a better way to visualize how the dimensions of spacetime are structured within one another. This method also begins to show some resemblance to the ideas that will be presented in Thought Theory in part 4.

These dimensions being scaled to a 4 digit ratio (1/1000) is because of the Tetractys. As we have seen, the Tetractys is deeply correlated to the hierarchical framework of quantum spacetime.

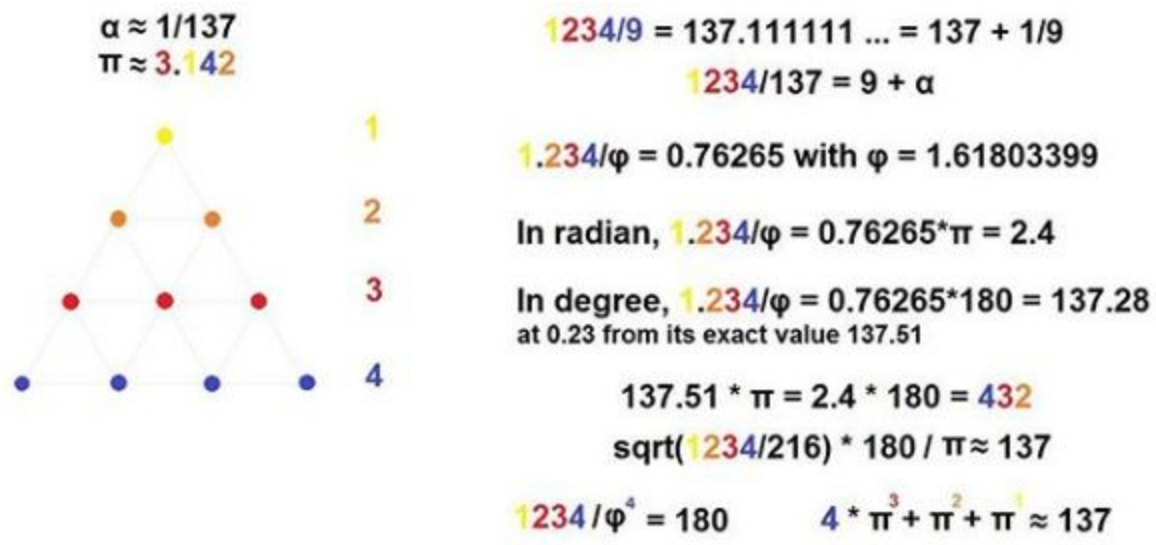


Figure 34 - The number 1234 from the Tetractys has interesting correlations with the number 137 and the number pi itself “π”. Some of the calculations above show these correlations.

Note; the exact value for the inverse of the fine structure constant is 20Φ^4 which is approximately 137.082, therefore approximately shown above as 137.51.

There is a definitive fractal existing within the dimensions of spacetime. Once the 11th dimension is reached, multiplying by the golden ratio, it obtains approximately 180.

There is a factor equal to φ^11 between the first value (D(1)) 0.9, which is the half octave of 1.8, and the 12th value (111*1.618)

Between the 24th value and the 12th value, a factor equal to φ^11 Between the 24th value and the 1st value, a factor equal to φ^22 and so on.

If we consider a scaling factor of exactly 200 between these repeating sets of dimensions, the values reduced to 9 appear: 180, 36000, 7200000, 1440000000, 2880000000000, etc.

All of these numbers are naturally related to the golden ratio as we have seen, scaling these numbers to a truncated 4 digit base reveals the natural wave angles from before, but this time they appear in a ‘doubling-sequence’ of 180 degree intervals of rotation; 18, 36, 72, 144, 288 etc.

13. Pi - Phi Correlation

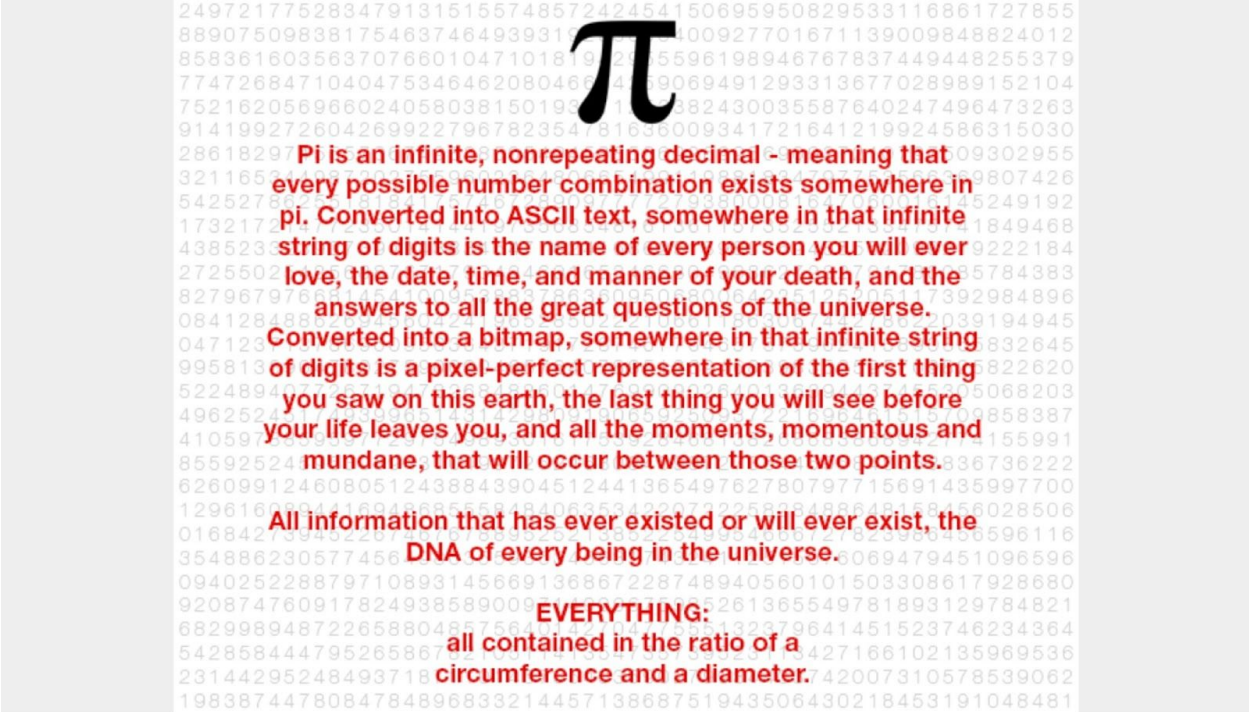

π
Pi is an infinite, nonrepeating decimal - meaning that every possible number combination exists somewhere in pi. Converted into ASCII text, somewhere in that infinite string of digits is the name of every person you will ever love, the date, time, and manner of your death, and the answers to all the great questions of the universe.
Converted into a bitmap, somewhere in that infinite string of digits is a pixel-perfect representation of the first thing you saw on this earth, the last thing you will see before your life leaves you, and all the moments, momentous and mundane, that will occur between those two points.
All information that has ever existed or will ever exist, the DNA of every being in the universe.
EVERYTHING:
all contained in the ratio of a circumference and a diameter.

Figure 35 - Calculating Pi (π)

Because Pi has so many important uses, we need to be able to calculate it, at least to several decimal places of accuracy. Someone had to come up with the approximate value for Pi which appears on your calculator, it didn't get there by magic.

The first and most obvious way to calculate Pi is to take the most perfect circle you can, and then measure its circumference and diameter to work out Pi.

This is what ancient civilizations would have done and it is how they would have first realized that there is a constant ratio hidden within every circle.

The problem with this method is accuracy; can you trust your tape measure to deliver Pi correct to 10 or more decimal places?
So, are there any other ways to calculate Pi?

Calculating Pi traditionally involves taking any circle and dividing its circumference by its diameter.

Mathematicians call Pi a 'Transcendental number', meaning that it is a real or complex number that is not algebraic—that is, it is not a root of a non-zero polynomial equation with integer (or, equivalently, rational) coefficients.

The best-known transcendental numbers are Pi and e.

Phi is simply an irrational number like pi, but one with many unusual mathematical properties. Unlike pi, which is a transcendental number, phi is the solution to a quadratic equation.

Using Polygons to approximate Pi (π)

The Ancient Greek mathematician Archimedes came up with an ingenious method for calculating an approximation of Pi.

Archimedes began by inscribing a regular hexagon inside a circle and then circumscribing another regular hexagon outside the same circle. He was then able to calculate the exact circumferences and diameters of the hexagons and could therefore obtain a rough approximation of Pi by dividing the circumference by the diameter.

Archimedes then found a way to double the number of sides of his hexagons. He could then find a more accurate approximation of Pi by using polygons with more sides, which were closer to the circle. He did this four times until he was using 96 sided polygons.

Archimedes calculated the circumference and diameter exactly and therefore could approximate Pi to being between 223/71 and 22/7.

The fraction 22/7 has remained as one of the most popular and memorable approximations of Pi ever since.

Around 600 years after Archimedes, the Chinese mathematician Zu Chongzhi used a similar method to inscribe a regular polygon with 12,288 sides.

This produced an approximation of Pi (π) as 355/113 which is correct to six decimal places. It was nearly 600 more years until a totally new method was devised that improved upon this approximation.

See if you can come up with your own unique expression to closely approximate Pi.
For example; Pi=22/7=3.1428...(accurate to 2 decimals) or Pi=355/113=3.14159292...(accurate to 6 decimals)

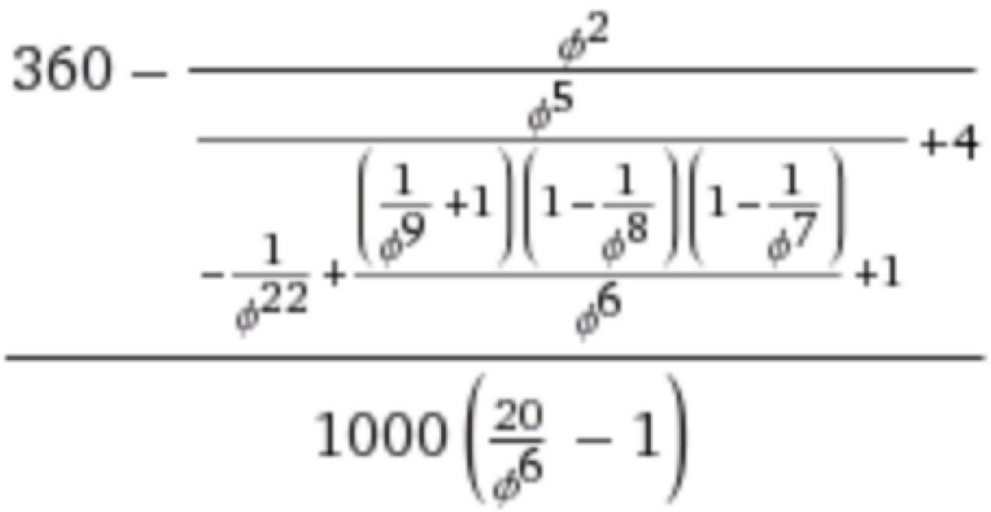


Figure 36 - If you want to visualize a much closer approximation; depicted above is a unique number that I discovered in 2016.

The pictured computation is an intelligently-designed fractal, containing specific values that are correlated to the hierarchical organization of the dimensions of spacetime in string theory, being subtracted from our perspective '360' degrees.
This '360 degree fractal' is then being divided by the 'original diameter' of our universe; which is calculated by back-tracking the previously shown unit-circle formula in order to generate the first dimension of spacetime in string theory as the diameter of this original circle.

The resulting value of this complex multi-layered fraction computation is EXACTLY the first 11 digits of Pi; 3.1415926535. There are no extra decimals in this result, it's just simply an 11 digit number.

It is seemingly unimaginable that a bizarre combination of fractions of irrational numbers raised to higher powers would yield a perfectly neat 11 digit rational value that approximates Pi to remarkable precision.

It is hypothesized that Mind itself uses some form of infinite-series in computation that is similar to the computation depicted above; in order to approximate and orient a hierarchical scaling of hyper-dimensional Mind-spaces within our point-less universe.

Mathematical approximations, or 'fuzzy math' paves the way for perceptional limits within an interconnected and points-less mindspace; which would essentially be the only way to explain the concept of 'self' and 'existence' through numbers.

These complex computations are proposed to be correlated to a new form of mathematics; based on the golden mean number system, that will one day make calculus, as well as particle physics completely obsolete in principle.

Nature has also chosen some other, relatively simple methods that have been previously discovered to generate the infinite, non repeating 'transcendental' value of Pi, some of which will be shown below, and in a couple of subsequent posts;

Ed Oberg and Jay A. Johnson have developed a unique expression for the pi-phi product (πΦ) as a function of the number 2 and an expression they call “The Biwabik Sum,” a function of phi, the set of all odd numbers, and the set of all Fibonacci numbers [F1,F2,F3,..], as follows:

Pi(Phi)= 2^2{ 1+ [(2/3) / (F1+F2 Phi) + (1/5) / (F3+F4 Phi) – (1/7) / (F5+F6 Phi)]
– [(2/9) / (F7+F8 Phi) + (1/11) / (F9+F10 Phi) – (1/13) / (F11+F12 Phi)]
+ [(2/15) / (F13+F14 Phi) + (1/17) / (F15+F16 Phi) – (1/19) / (F17+F18 Phi)]
- ... } = 5.083203692...

Mathematicians eventually discovered that there are in fact exact formulas for calculating Pi (π). The only catch is that each formula requires you to do something an infinite number of times. (Which makes sense given that the non-repeating digits of Pi go on forever.)

One of the amazing things which interests people about Pi is that there isn’t just one formula, but a large number of different formulas for people to study.

$$\frac{\pi}{4} = 1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \frac{1}{9} - \cdots$$

$$\pi = \frac{4}{1} - \frac{4}{3} + \frac{4}{5} - \frac{4}{7} + \frac{4}{9} - \frac{4}{11} + \frac{4}{13} - \cdots$$

Figure 37 - One of the most well known and beautiful ways to calculate Pi is to use the Gregory-Leibniz Series; which is displayed above in two different patterns.
If you continued the first pattern forever you would be able to calculate Pi/4 exactly and then just multiply it by 4 in order to get Pi.

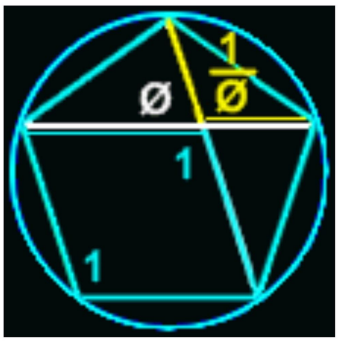
If however you start to add up the first few terms, you will begin to get an approximation for Pi. The problem with these two series above is that you need to add up a lot of terms in order to get an accurate approximation of Pi.

You need to add up more than 300 terms in order to produce Pi (π) accurate to two decimal places!

$$\pi = 3 + \frac{4}{2 \times 3 \times 4} - \frac{4}{4 \times 5 \times 6} + \frac{4}{6 \times 7 \times 8} - \frac{4}{8 \times 9 \times 10} + \cdots$$

Figure 38 - Another series which converges more quickly is the Nilakantha Series shown above which was developed in the 15th century. Converges more quickly means that you need to work out fewer terms for your answer to become closer to Pi.

Notice the series' similar correlation in fraction orientation to the phi-->Pi approximation model that was shown in the previous post. This existing correlation makes me hypothesize that there also exists such an infinite series, that would also be alternating + and - in values, that directly correlates phi to Pi; without having to multiply Pi by phi, like in the previously shown 'Biwabik Sum'.



$$2 \cdot \cos\left(\frac{\pi}{5}\right) = \phi \quad \textbf{or} \quad 2 \cdot \sin\left(\frac{\pi}{5}\right) = \sqrt{3 - \phi}$$

Figure 39 - Divide a 360 degree circle into 5 sections of 72 degrees each and you get the five points of a pentagon, whose dimensions are all based on phi relationships.

Accordingly, it shouldn't be too surprising that phi, pi and 5 (a Fibonacci number) can be related through the depicted trigonometry.

Or, a much simpler way, contributed by Dale Lohr:
Pi = 5 arccos (.5 Phi)

Note: The angle of .5 Phi is 36 degrees, [36 is the same amount of numbers in one complete revolving set of 'nines' on the previously shown reduced prime number cross], of which there are 10 in a circle [360 degrees] or 5 in Pi radians [180 degrees].
Another Note: Formulas in Figure 39 expressed in radians, not degrees.

Alex Williams, MD, points out that you can use the Phi and Fives relationship to express Pi as follows:
5arccos((((5^(0.5))*0.5)+0.5)*0.5) = Pi

Robert Everest discovered that you can express Phi as a function of Pi and the numbers 1, 2, 3 and 5 of the Fibonacci series:
Phi = 1 – 2 cos (3 Pi / 5)

14. Reciprocal of 7

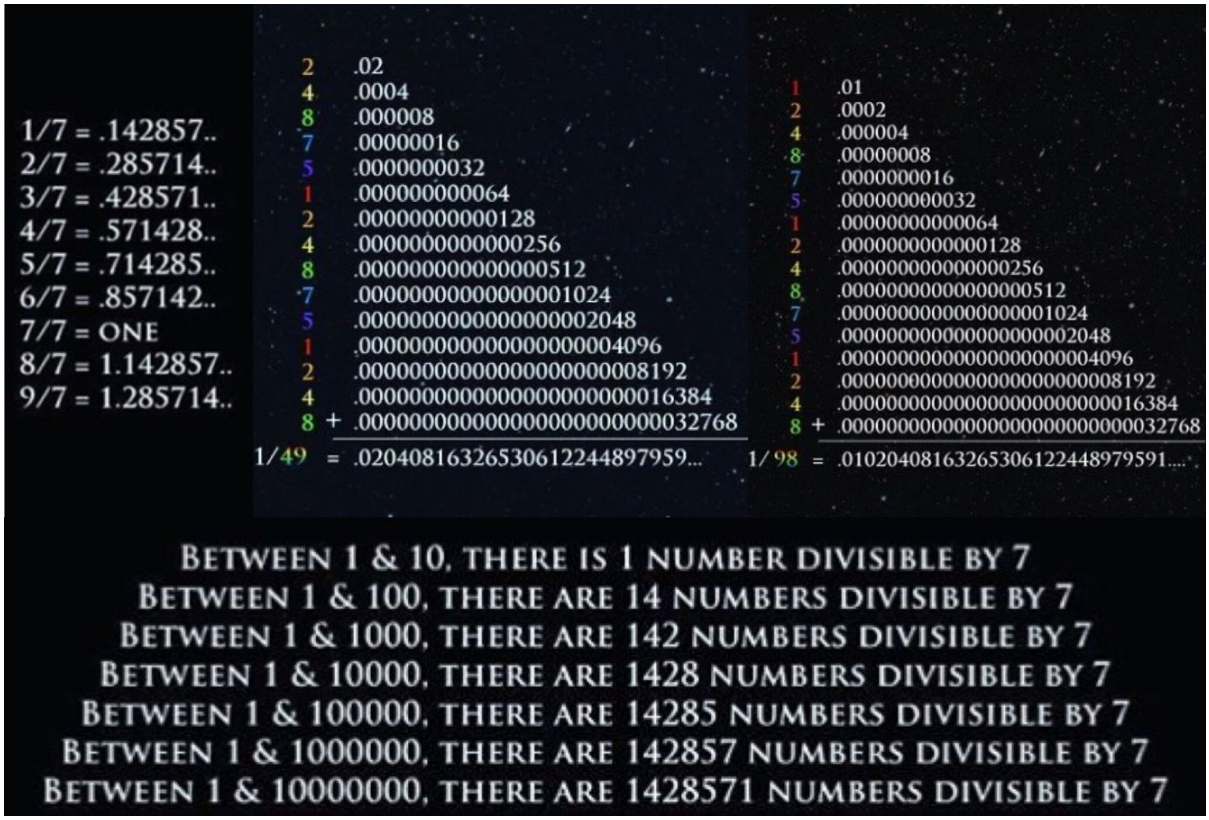
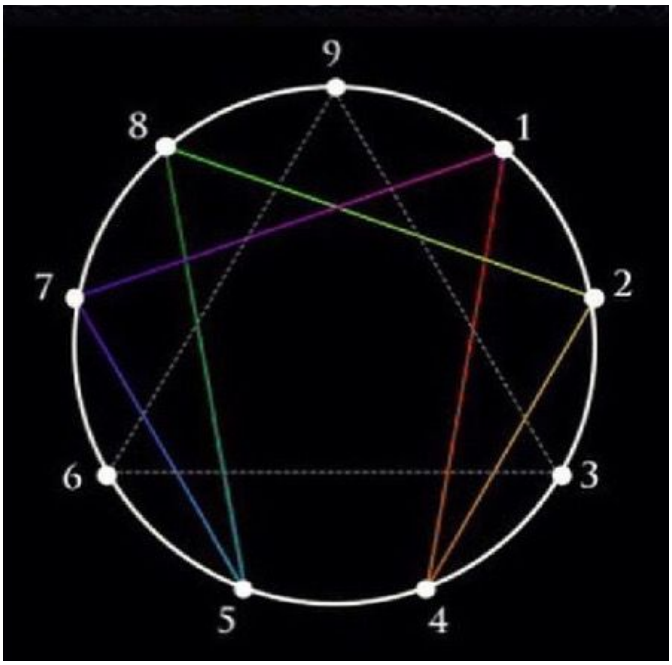


Figure 40 - “The light codes of the Great Pyramid are mathematically encoded in the number of spiral arcs forming a seven-pointed star as an expression of the divine blueprint. A spiral arc is defined as the pathway for the ether to flow from a Zero Energy Point.
The number seven has some interesting mathematical properties. Any number non divisible by 7 gives the sequence 142,857 repeated infinitely.” - Salah Gherbi

An example is 153 / 7 = 21.857142857142…

FIgure 41 - The Ennead is an ancient geometric symbol (often associated with numbers), consisting of Isosceles Triangles overlaid by a diagonal configuration of interlocking lines.



The triangle in the Enneagram is equivalent to the 9-axis and the oscillating 3-6 of the Rodin Coil.

The diagonal configuration of interlocking lines is precisely symmetrical to the Doubling Circuits.

The reciprocal of 7 is 1/7 = .142857142857…

This pattern (notably excluding the 3,6,and 9) can be traced out on the Ennead, shown above.

Seven is very unique as it is the only number that does not divide the circle evenly, as a result we have no natural forms in nature based on seven.
It enumerates in form of "completion".

Seven colors in the spectrum. Seven days of the week. Seven wonders of the world. Seven chakras. Seven pillars of wisdom. Seven petals on the flower of life.

Seven sided Klein modular group in the previously shown hyperbolic-fractal projection of the quantum gravity of spacetime in El Naschie's E-Infinity theory.

The Fine Structure Constant, which approximates to 1/137, is exactly 1/20Φ^4, which is derived from the continuous fraction expansion representation of Φ^4 = 7 - 1/Φ^4 = 7-1/(7+1/(7+1/(7+1/(7+...).

Seven is special. The Pythagoreans considered it the middle ground among the decad.
1x2x3x4x5x6x7 = 7x8x9x10 = 5040
(Plato's favorite number)

The symmetry is realized when we place the reciprocal decimal pattern into rows of three and add them together. 1/7 = .142857142857...
142+857 = 999
These same "trinities" occur in the doubling circuit as well;
1-2-4-8-7-5...124+875=999

The behavior of the 1,4,2,8,5,7 circuit derived from the reciprocal of 7 is essentially mirrored or opposite to the 1,2,4,8,7,5 doubling circuit. The reciprocal of 7 could represent a closed circuit while the doubling circuit clearly represents an open circuit of dual toroidal flow.

This can be demonstrated by using the previously shown prime number patterning of the set of positive integers.
1 -> 5, 7, 11, 13, 17, 19, 23, 25, 29, 31...
(divisible by 1)
2 -> 4, 8, 10, 14, 16, 20, 22, 26, 28, 32...
(divisible by 2)
3 -> 6, 9, 12, 15, 18, 21, 24, 27, 30, 33...
(divisible by 3)
Numeric reduction of the above sequences;
1 -> 5, 7, 2, 4, 8, 1, 5, 7, 2, 4 ...
2 -> 4, 8, 1, 5, 7, 2, 4, 8, 1, 5 ...
3 -> 6, 9, 3, 6, 9, 3, 6, 9, 3, 6 ...
Note the repeating 1-2-4-8-7-5 sequences in columns 1 and 2, arranged in a cyclic pattern, alternating counterclockwise-clockwise-counterclockwise-etc;
1, 5, 7, - 2, 4, 8, - 1, 5, 7, - 2, 4 ...
2, 4, 8, - 1, 5, 7, - 2, 4, 8, - 1, 5 …

Now if you look at this pattern but trace the 1,4,2,8,5,7 sequence instead, you would see two separated triangular circuits 1,4,2 - 8,5,7 in each cell rather than the connected, alternating spiral flow of the 1,2,4,8,7,5 circuit.

The last note to mention that is included in Figure 50 is the doubling circuits that are encoded within the reciprocals of 49 (7x7) and 98 (2(7x7)).

At this point I hope that you can see the importance of numeric pattern analysis, and also that you can begin to understand the interconnected nature of our universe through a whole new perspective by seeing the remarkable correlation between the 18 digit “Nexus key” sequence and explaining its correlation to the 24 reduced numbers of the Fibonacci sequence as well as Prof. Mohamed El Naschie’s E-Infinity theory and also the geometry that is found within Nassim Haramein’s description of the fundamental shape of the vacuum; a 64 tetrahedron fractal grid with a cube-octahedron center, composed of 8 star-tetrahedra each made out of 8 tetrahedra, which can be scaled infinitely large or small to create a fractal grid that contains a dual-fractal horizon singularity (cube-octahedron center) at any point in the fractal grid.

References

Vortex Math Intro
This section is written by the creator of www.polarizedfractalmaththeory.com
All of the images in this section are from this website as well.

Simultaneous Doubling & Halving
The section is written by the creator of www.polarizedfractalmaththeory.com
With exception of the correlation of simultaneous doubling and halving of vortex math to E - Infinity theory, which is my own discovery.
All of the images in this section are from his website as well.

Vector Equilibrium - Preview of Fractal Vortex Equation
In this section the Vector Equilibrium is introduced. I am also correlating the 'Nexus Key' (discovered by the creator of www.polarizedfractalmaththeory.com) with an unreleased fractal vortex equation that I have discovered on 2/11/16. This equation will be the central point of discussion of a future section of my book.
Figures 6 and 7 - These images are from the work of Nassim Haramein.

Nexus Key
The Nexus Key was discovered by the creator of www.polarizedfractalmaththeory.com
Figure 8 - This image is from www.polarizedfractalmaththeory.com
Figure 9 - This image is my own recreation of the Nexus Key in order to show it is a palindrome.

24 Reduced Fibonacci Numbers
This section was originally written by me and posted on my instagram on 1/15/17.
Figures 10, 11, 12, 13, 14 - These images are from Paul Bevan and his website https://tombedlamscabinetofcuriosities.wordpress.com/

Nexus Key / 24 Reduced Fibonacci Numbers Analysis
This section was originally written by me and posted on my own website in 2017.
www.goldenspiral.proboards.com

Prime Numbers Introduction
This section contains a quote from the creator of www.polarizedfractalmaththeory.com
The majority of the text in this section is from Paul Bevan and his website https://tombedlamscabinetofcuriosities.wordpress.com/
Figures 15, 16, 17 - These images are from Paul Bevan.

The Bible, Numbers 7:12-89 and the Solfeggio Scale
This section is written by Paul Bevan on his website
https://tombedlamscabinetofcuriosities.wordpress.com/
Figures 18 and 19 - These images are from Paul Bevan.
Figure 20 - This image is from Salah-Eddin Gherbi's book "The Etheric Particle 216"
Figure 21 - This image is from www.polarizedfractalmaththeory.com

Fibonacci 'Octaves'
Figure 22 - This image is from instagram.

The Tetractys
Figures 23, 24, 25, 26, 27 - These images are originally from Salah-Eddin Gherbi
This section is a combination of analysis from Salah-Eddin Gherbi and myself.

The Dimensions of Spacetime in String Theory and the Fibonacci Spiral
Figure 28 - This image is originally from Salah-Eddin Gherbi
This section is a combination of analysis from Salah-Eddin Gherbi and myself.

The Fractal Dimensions of Spacetime in String Theory
Figures 29, 30, 31, 32, 33, 34 - These images are originally from Salah-Eddin Gherbi
This section is a combination of analysis from Salah-Eddin Gherbi and myself.

Pi - Phi Correlation
Figure 35 - This image is from instagram.
Figure 36 - This image is a number that I discovered on 10/8/16.
Figures 37 and 38 - These images are mathematical equations.
Figure 39 - This image is from www.goldennumber.net

Reciprocal of 7
Figures 40 and 41 - These images are from www.joedubs.com